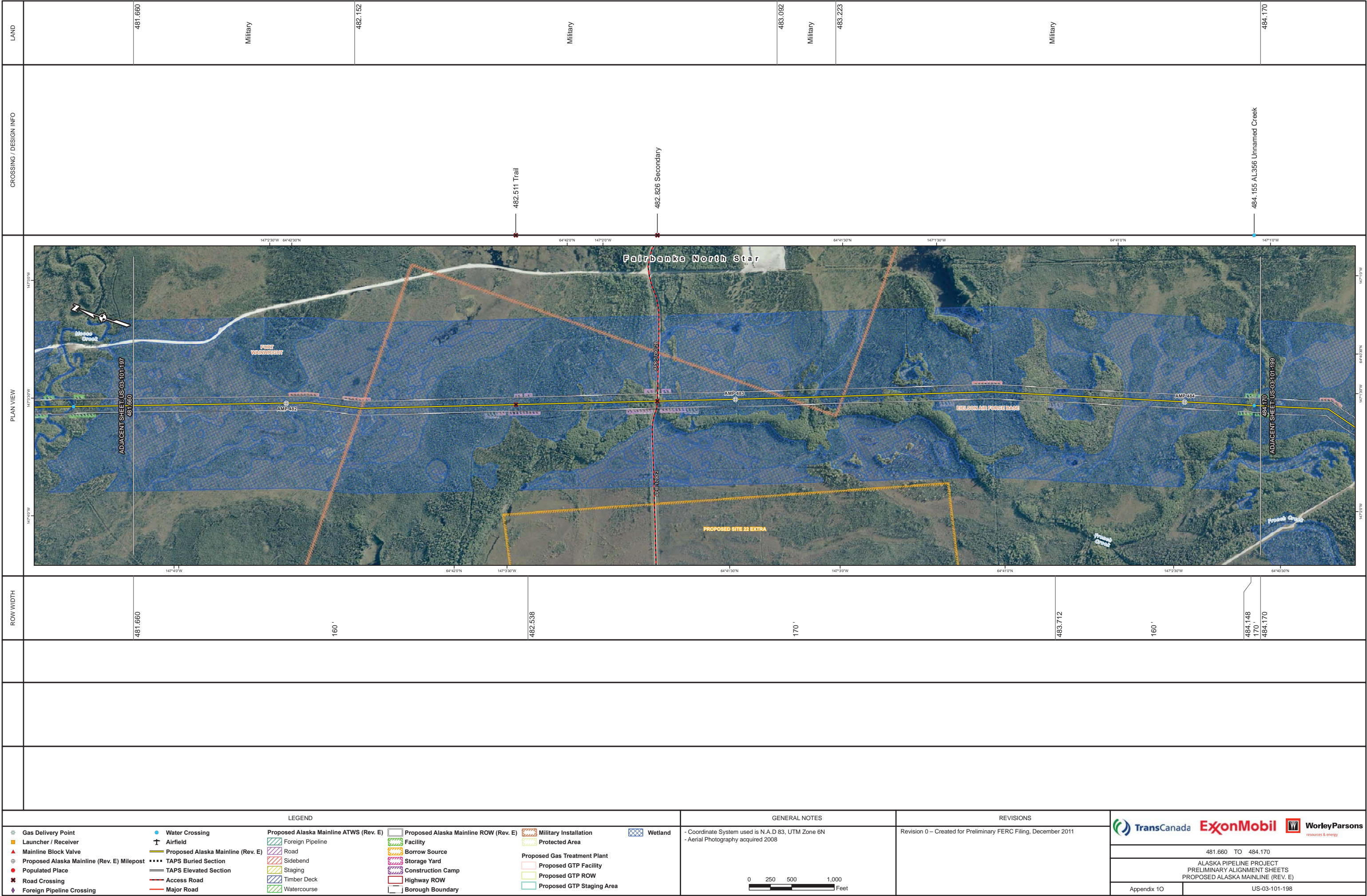


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**CONTAINS CRITICAL ENERGY INFRASTRUCTURE INFORMATION – DO NOT RELEASE**

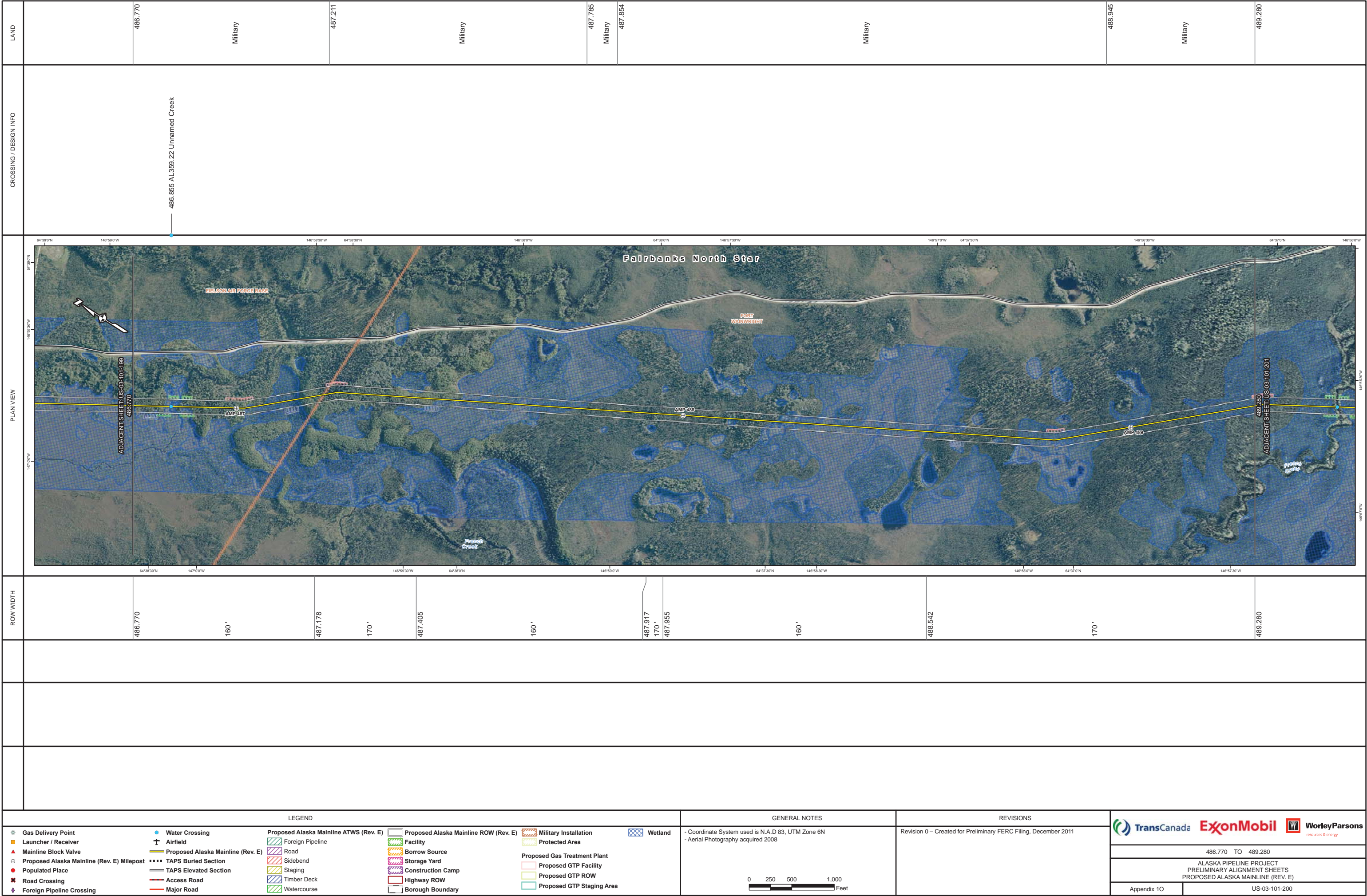
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**(see Volume 2: Critical Energy Infrastructure Information Binder 2 of 2)**

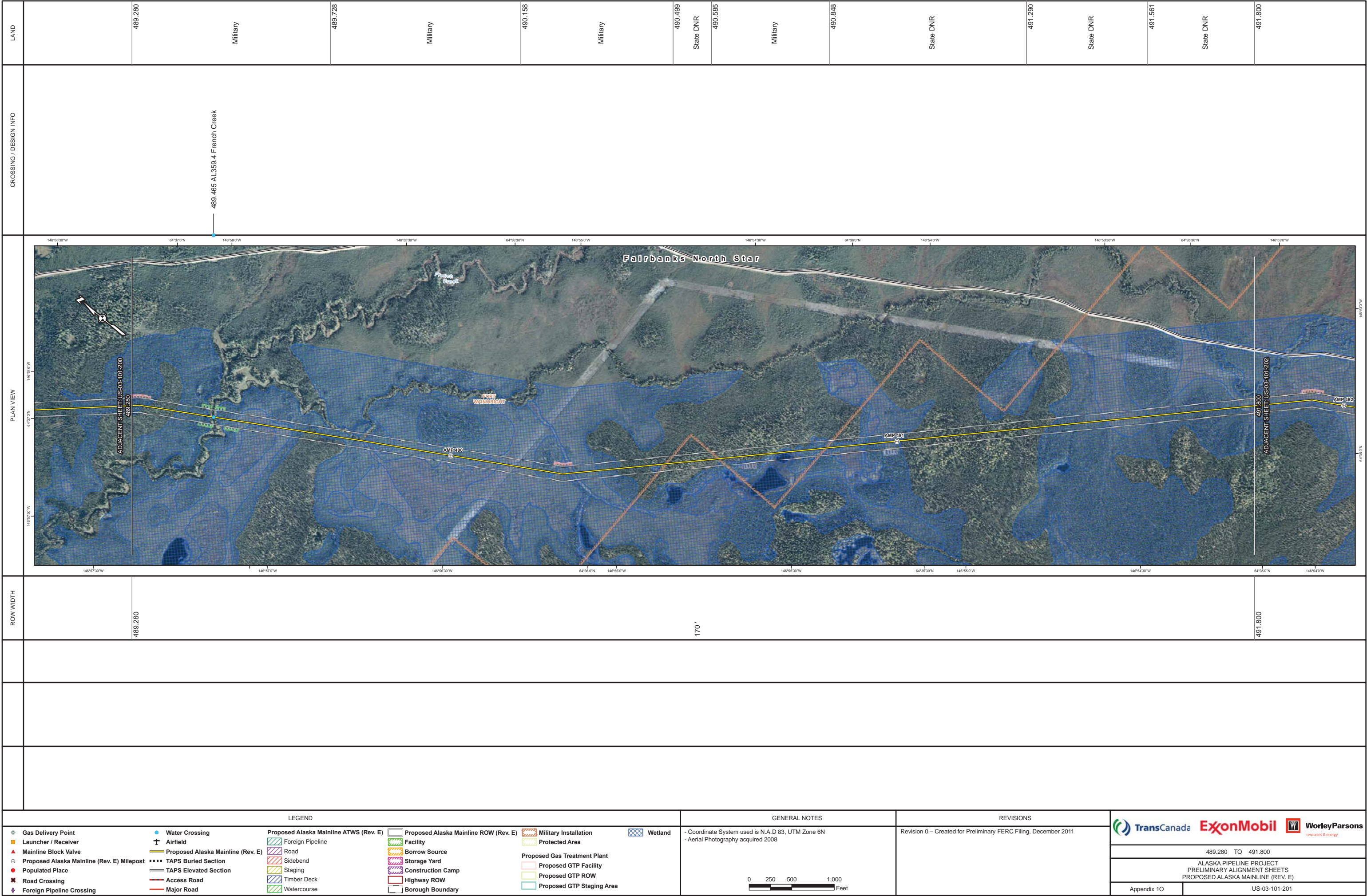
**Alaska Pipeline Project  
Appendix 1O  
Preliminary Alignment Sheets**

**Sheet US-03-101-199**











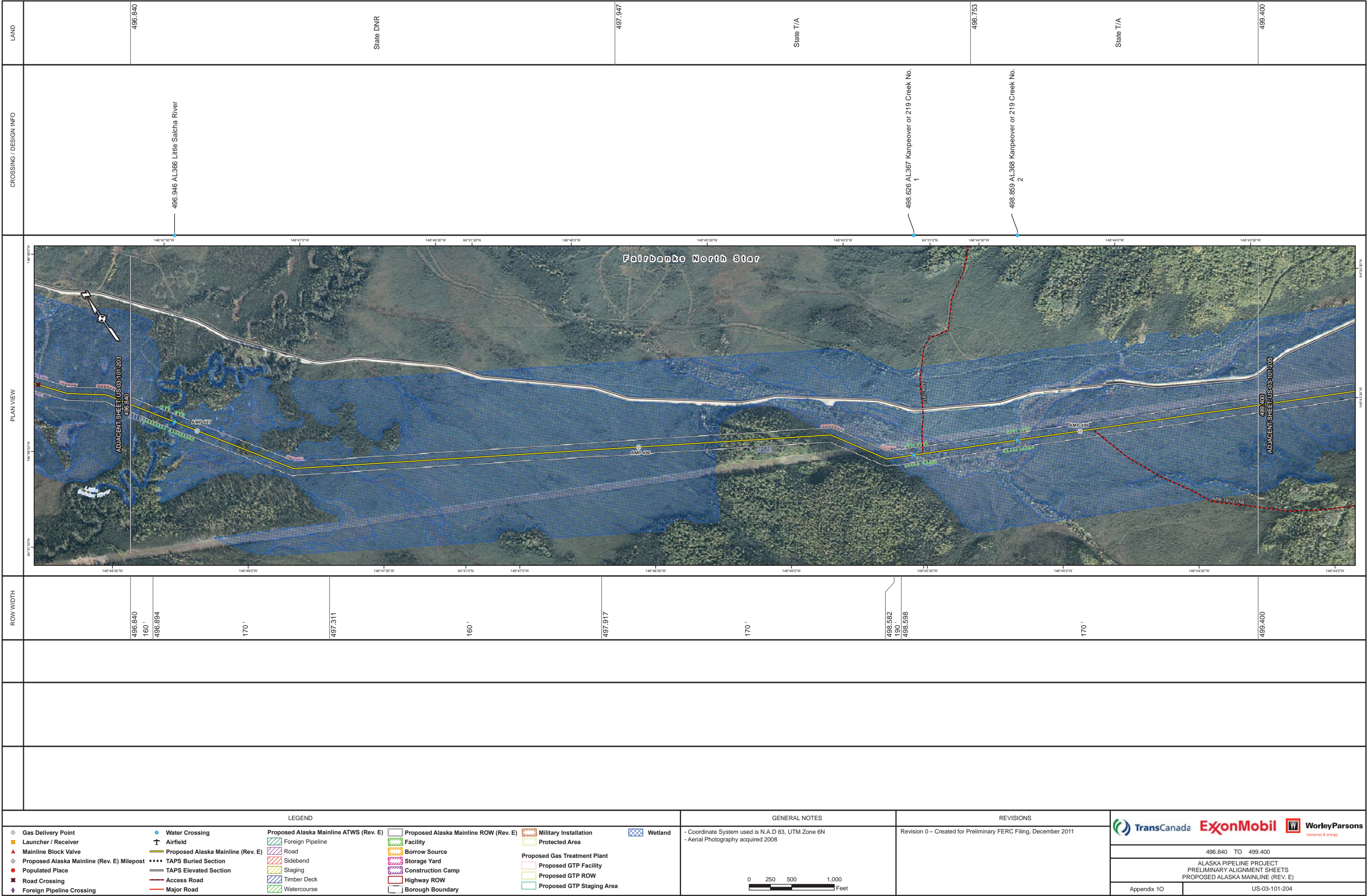




LAND			494.300 State DNR		494.364 State DNR		494.622 State DNR		Fairbanks Northstar Borough		495.122 Private Corporation	495.248 Private	495.370 Fairbanks Northstar Borough	495.464 ADOT & PF	495.503 Fairbanks Northstar Borough	495.536 Private	495.538 ADOT & PF	495.583 Private	495.609 State T/A		496.427 BLM	496.629 State DNR	496.840
CROSSING / DESIGN INFO	494.535 AL364.1 Million Dollar Creek No. 5   																						

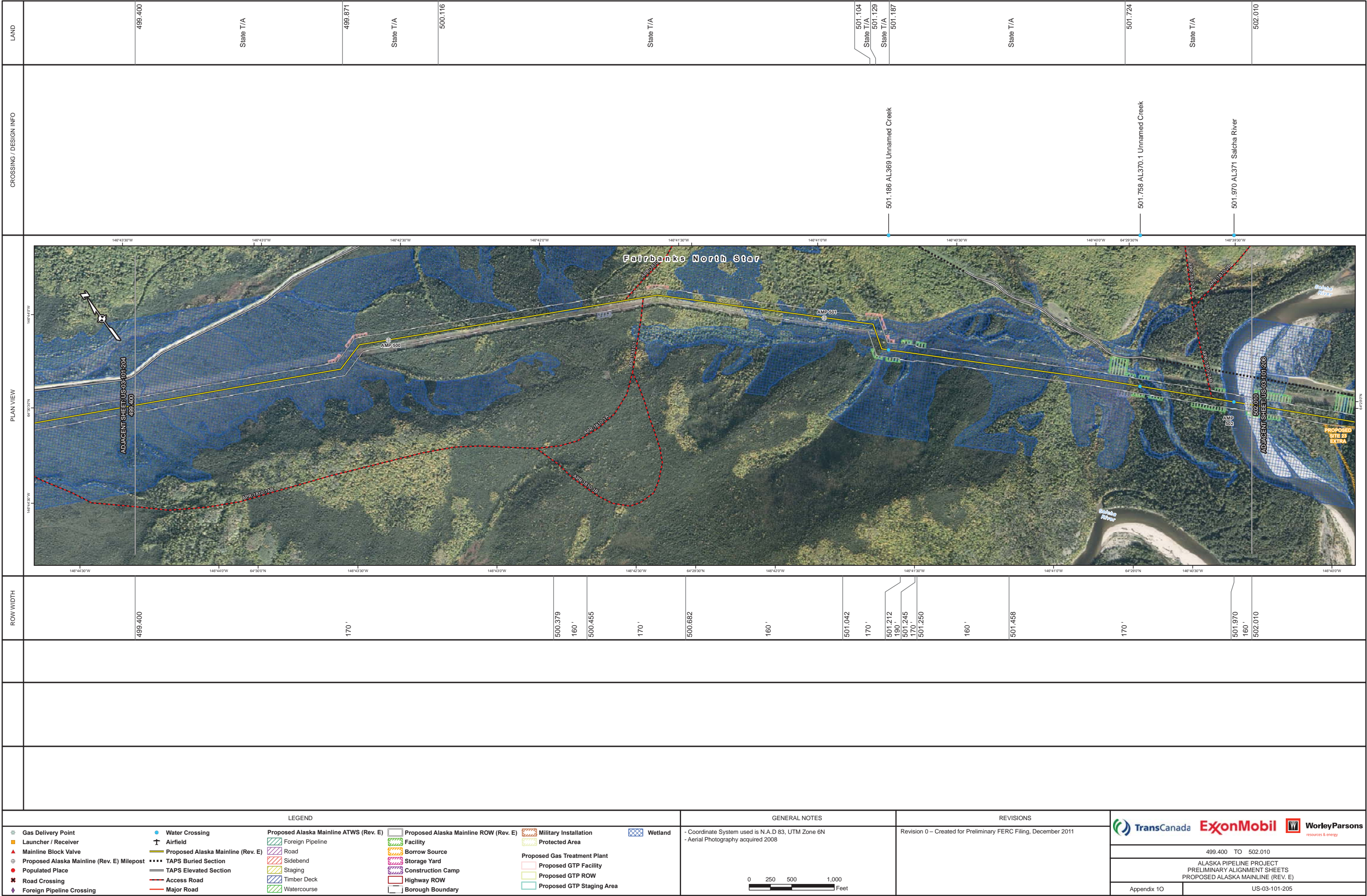
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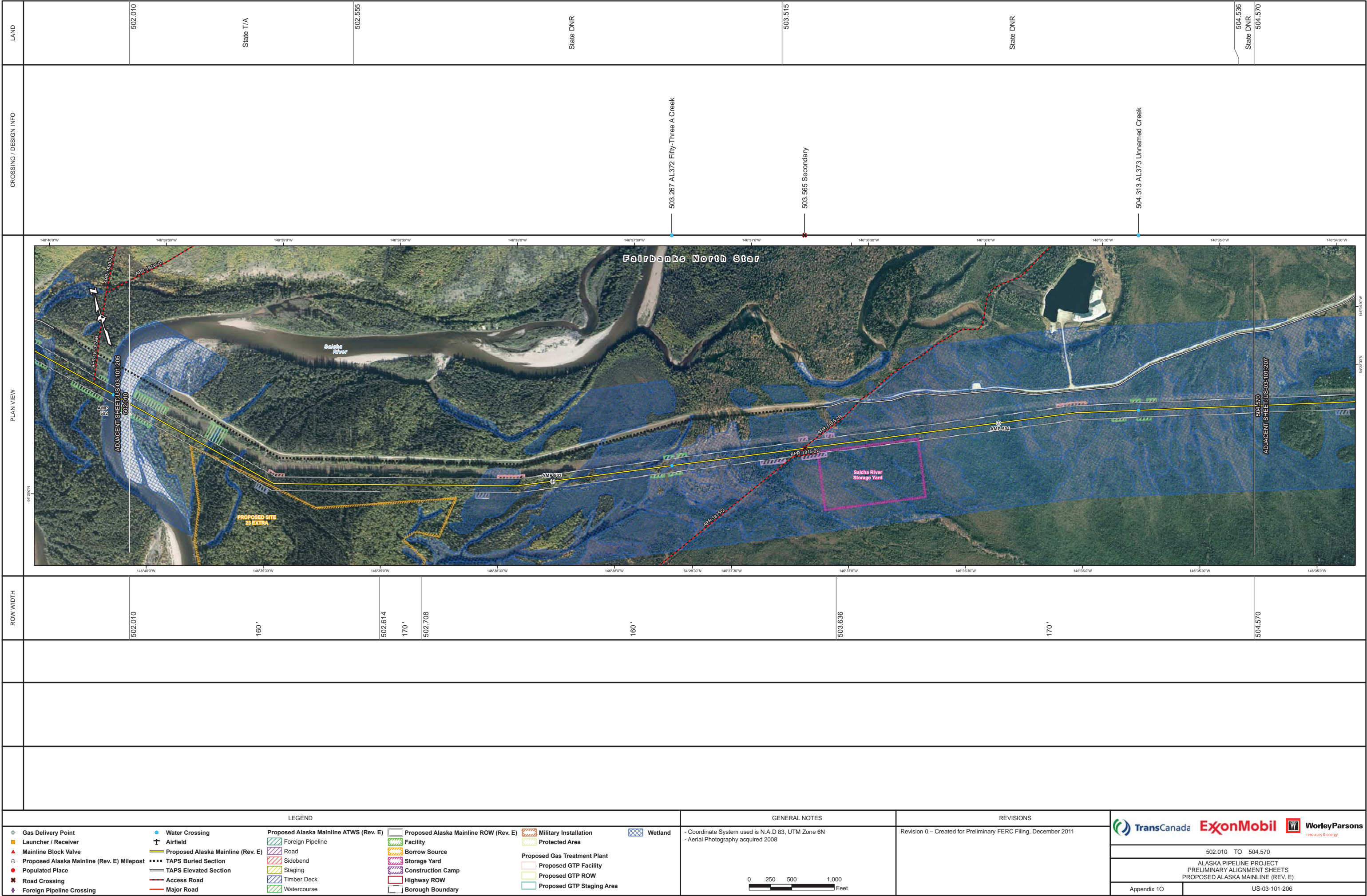
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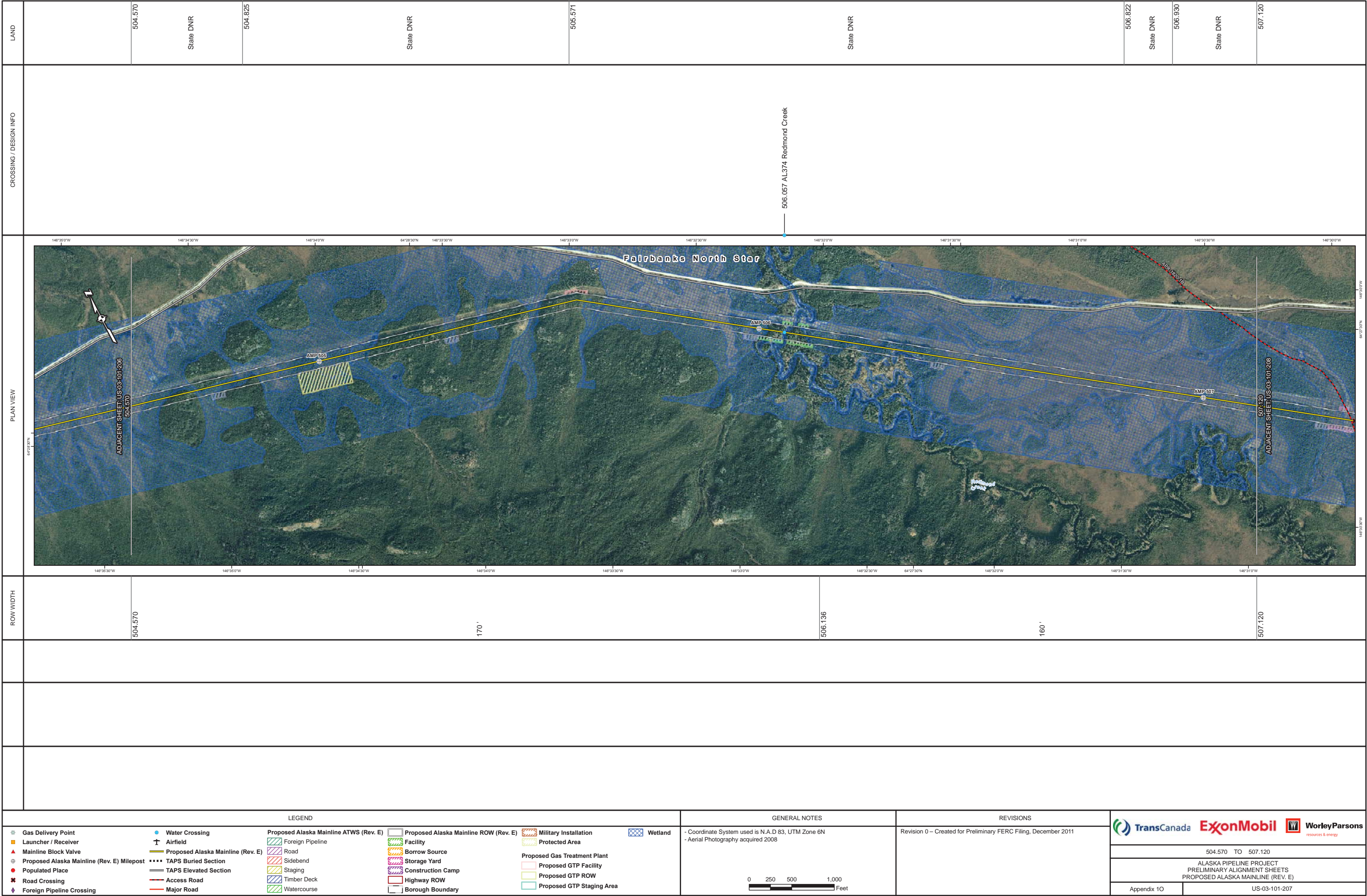
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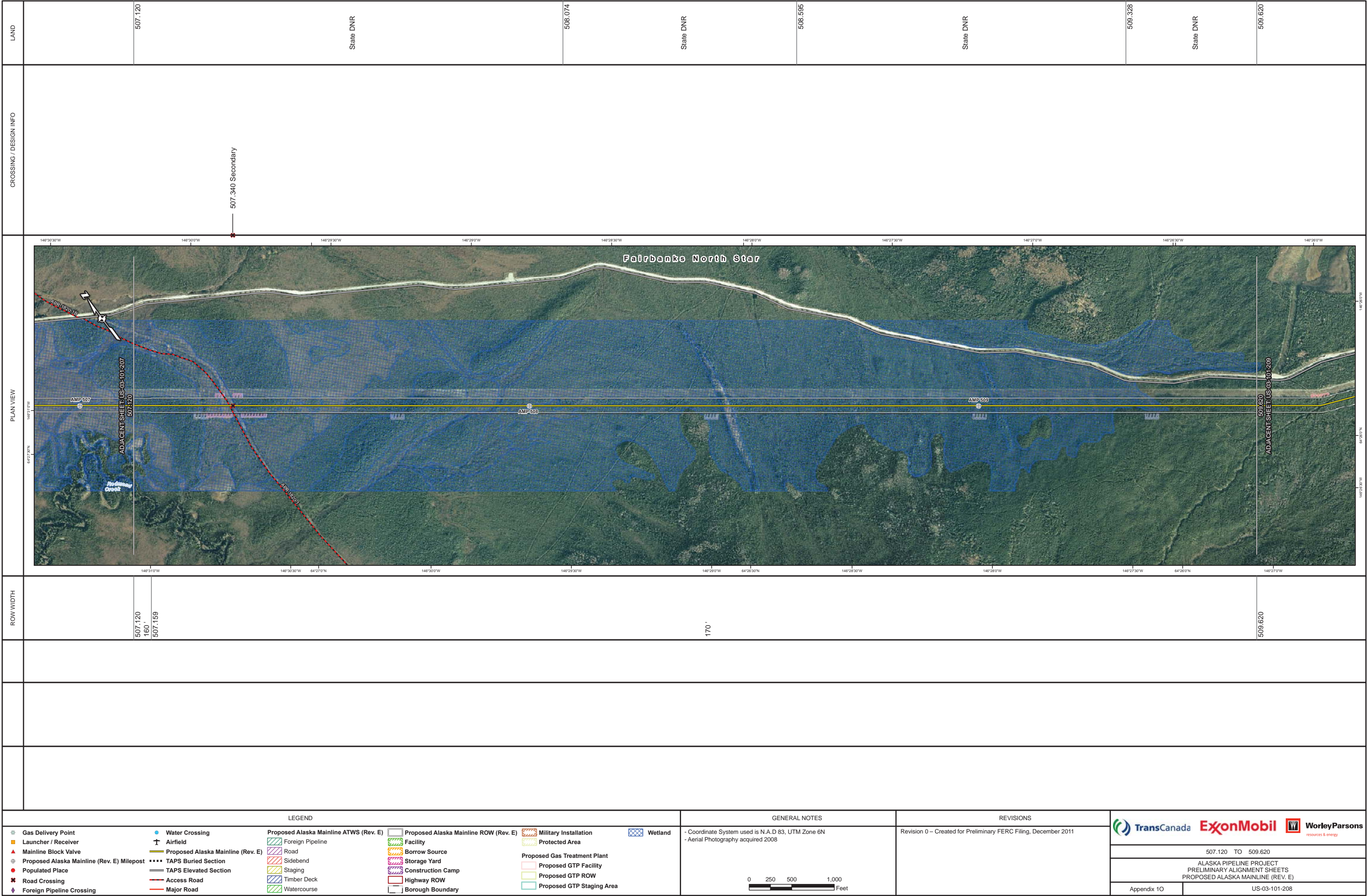
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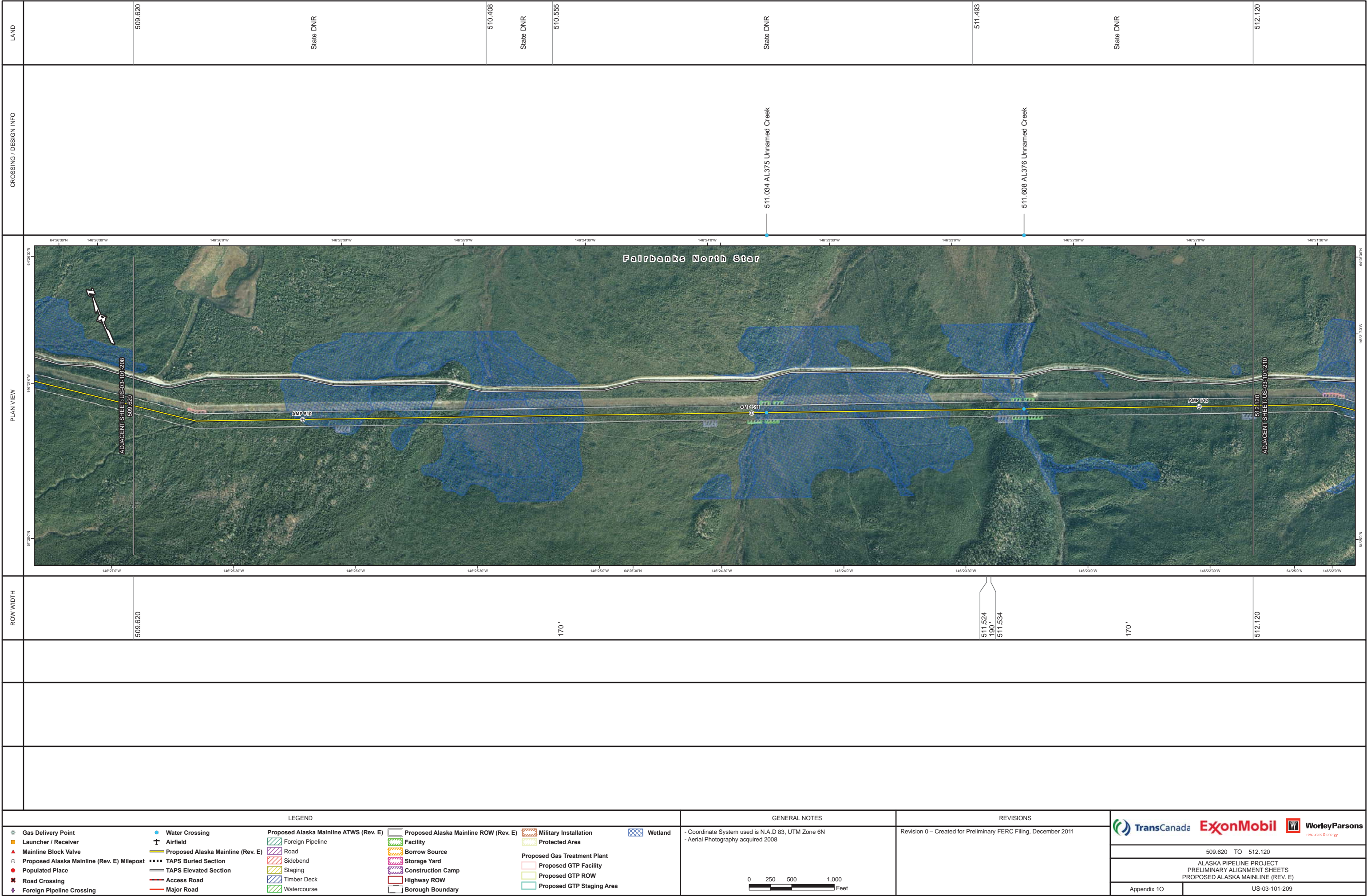
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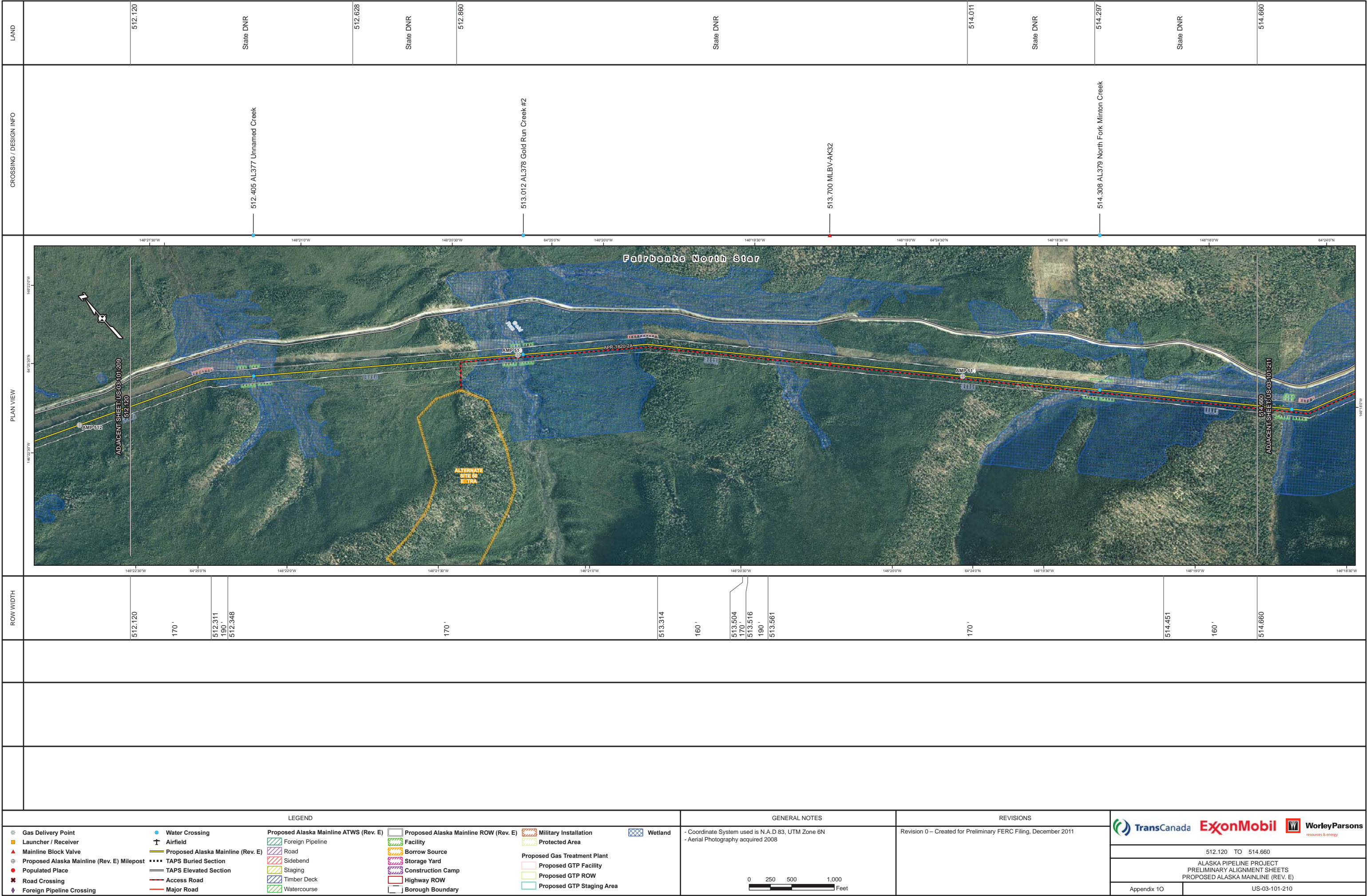


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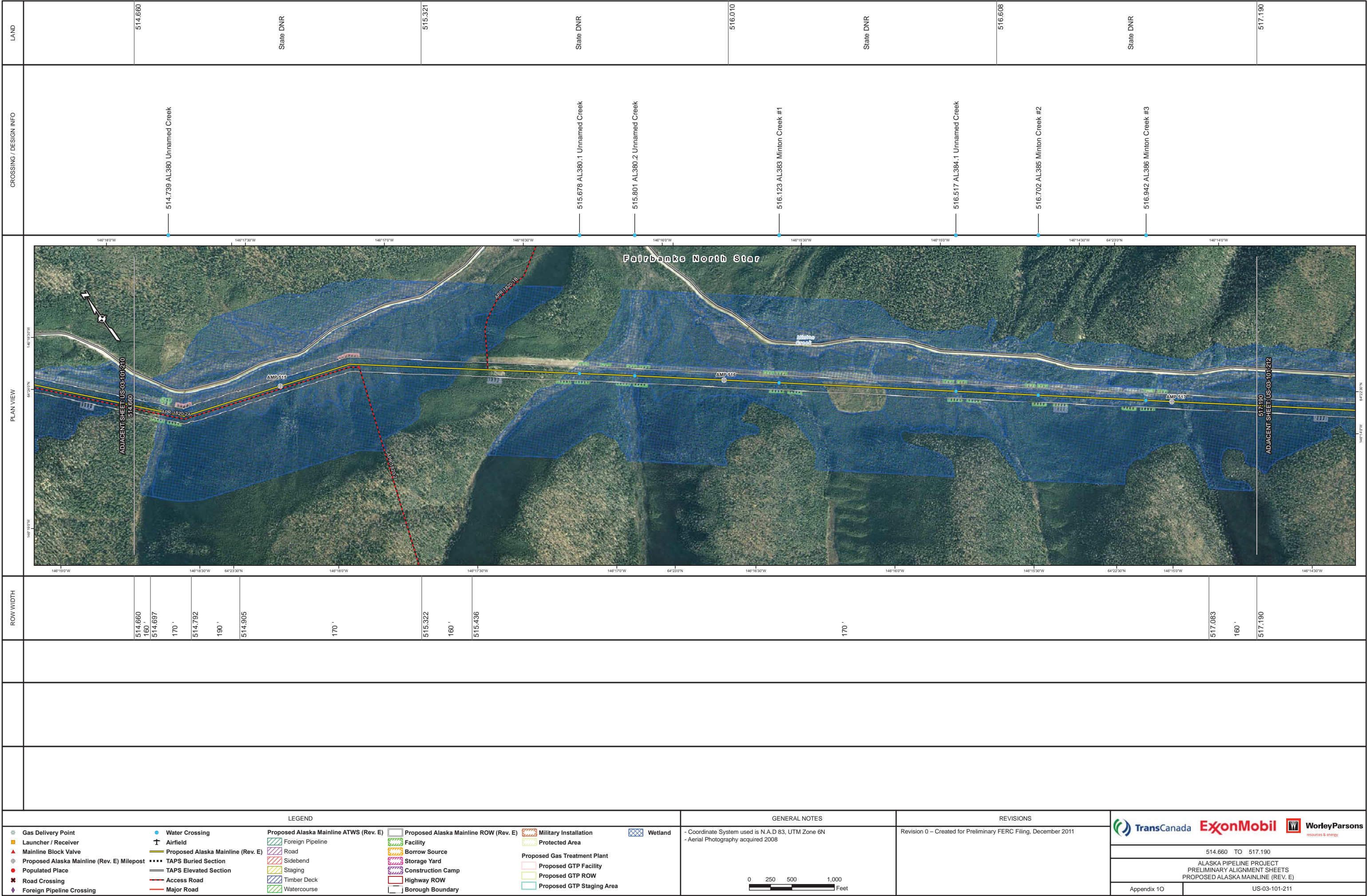










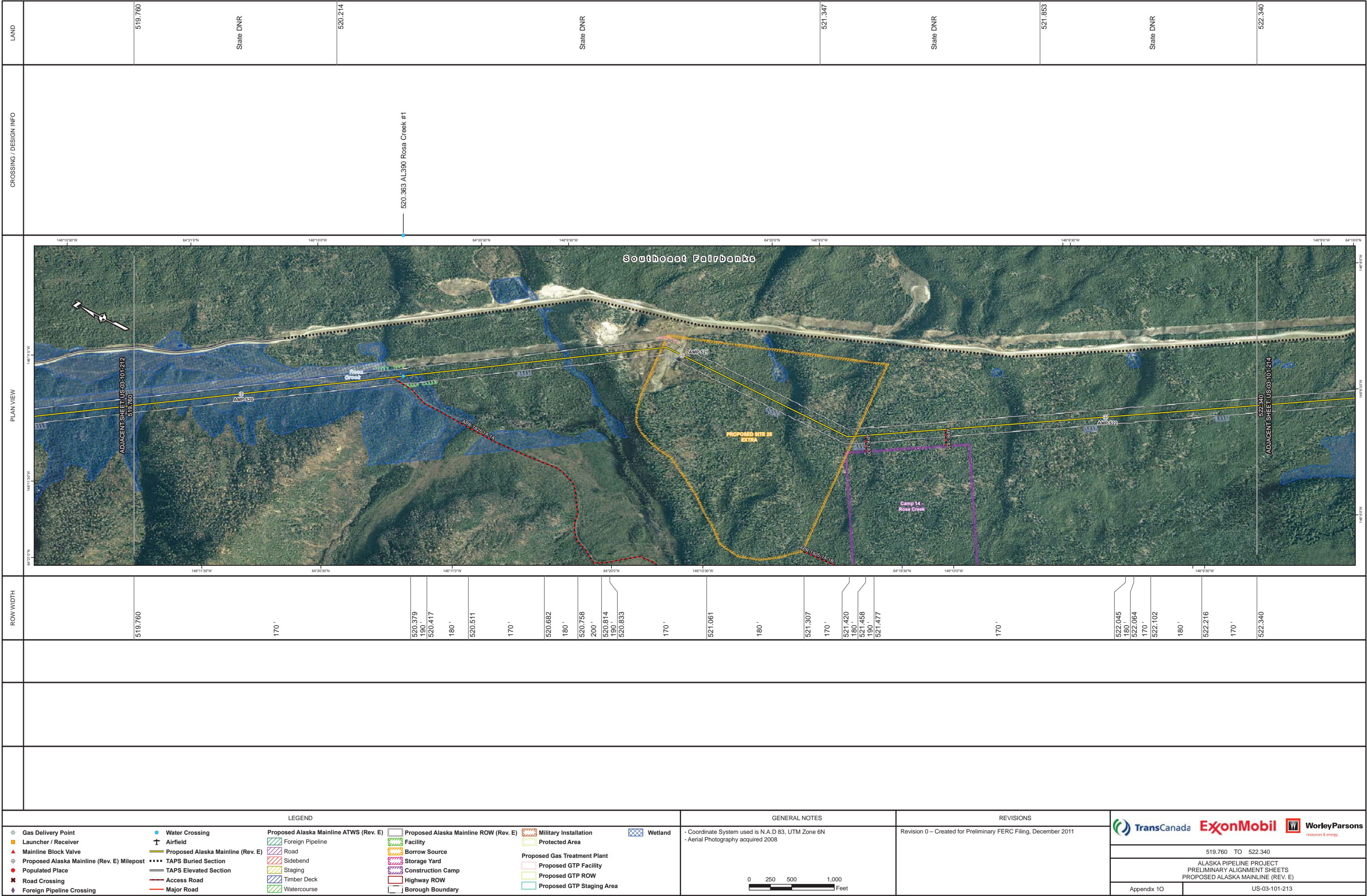




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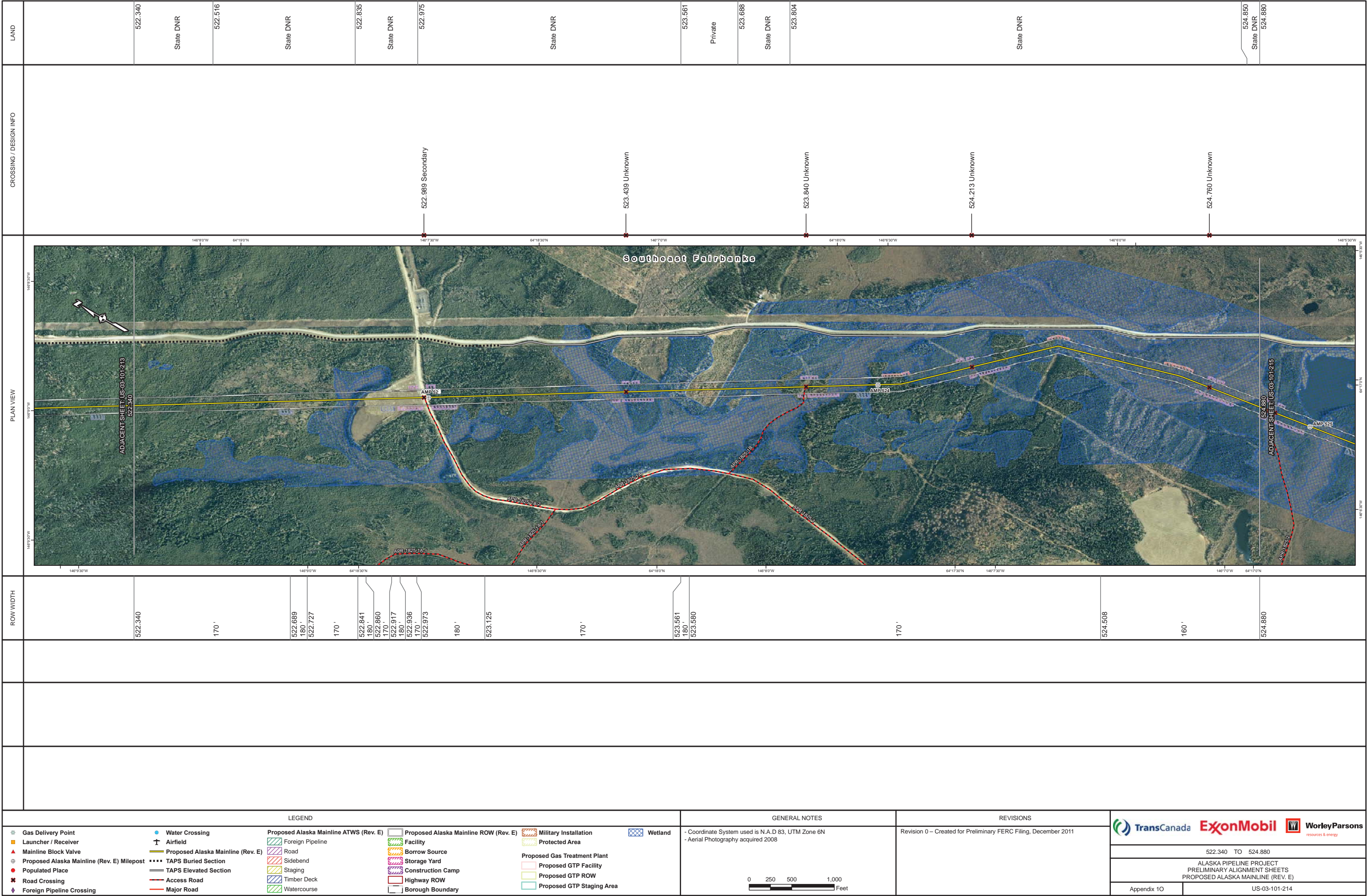
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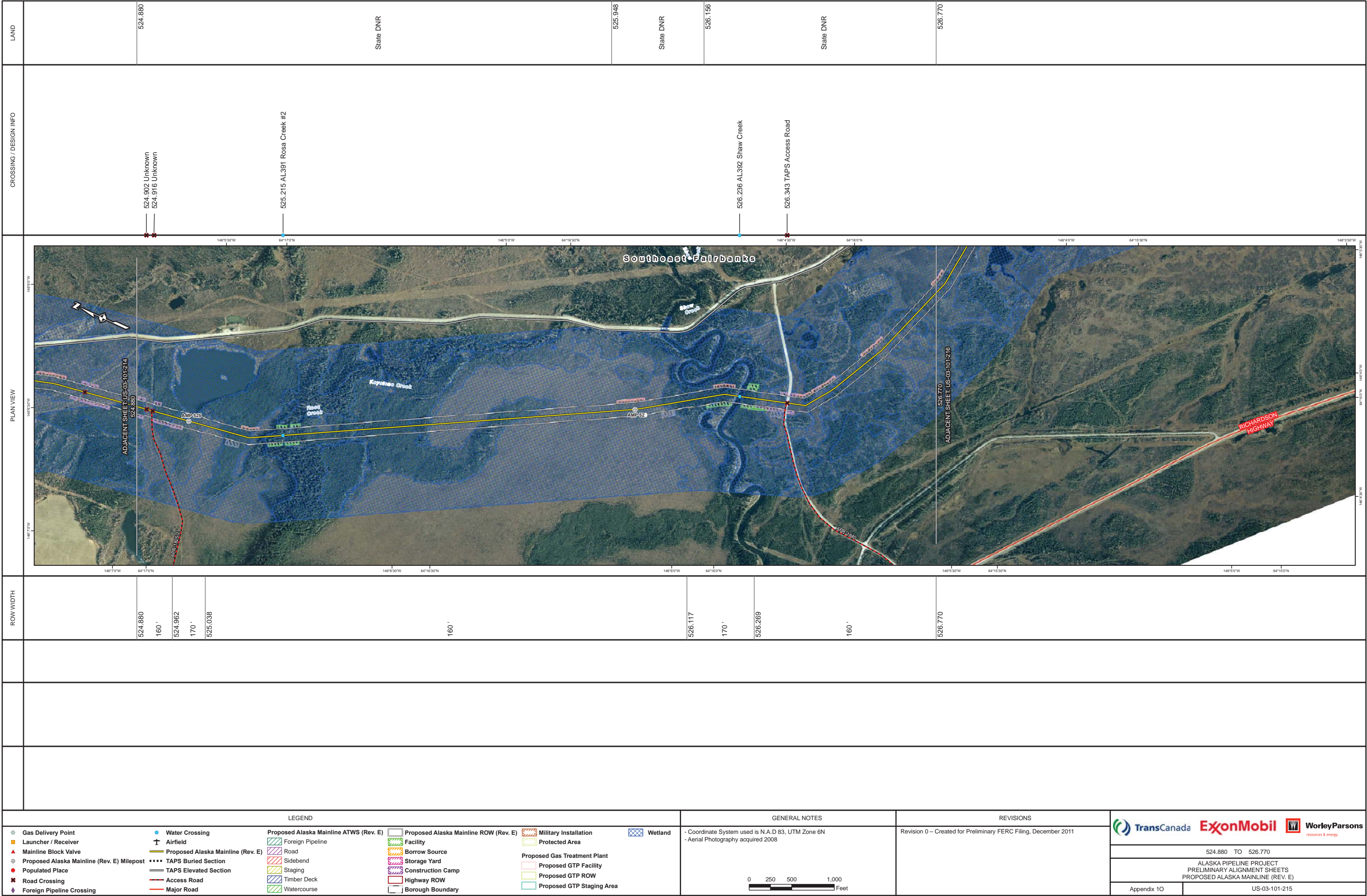
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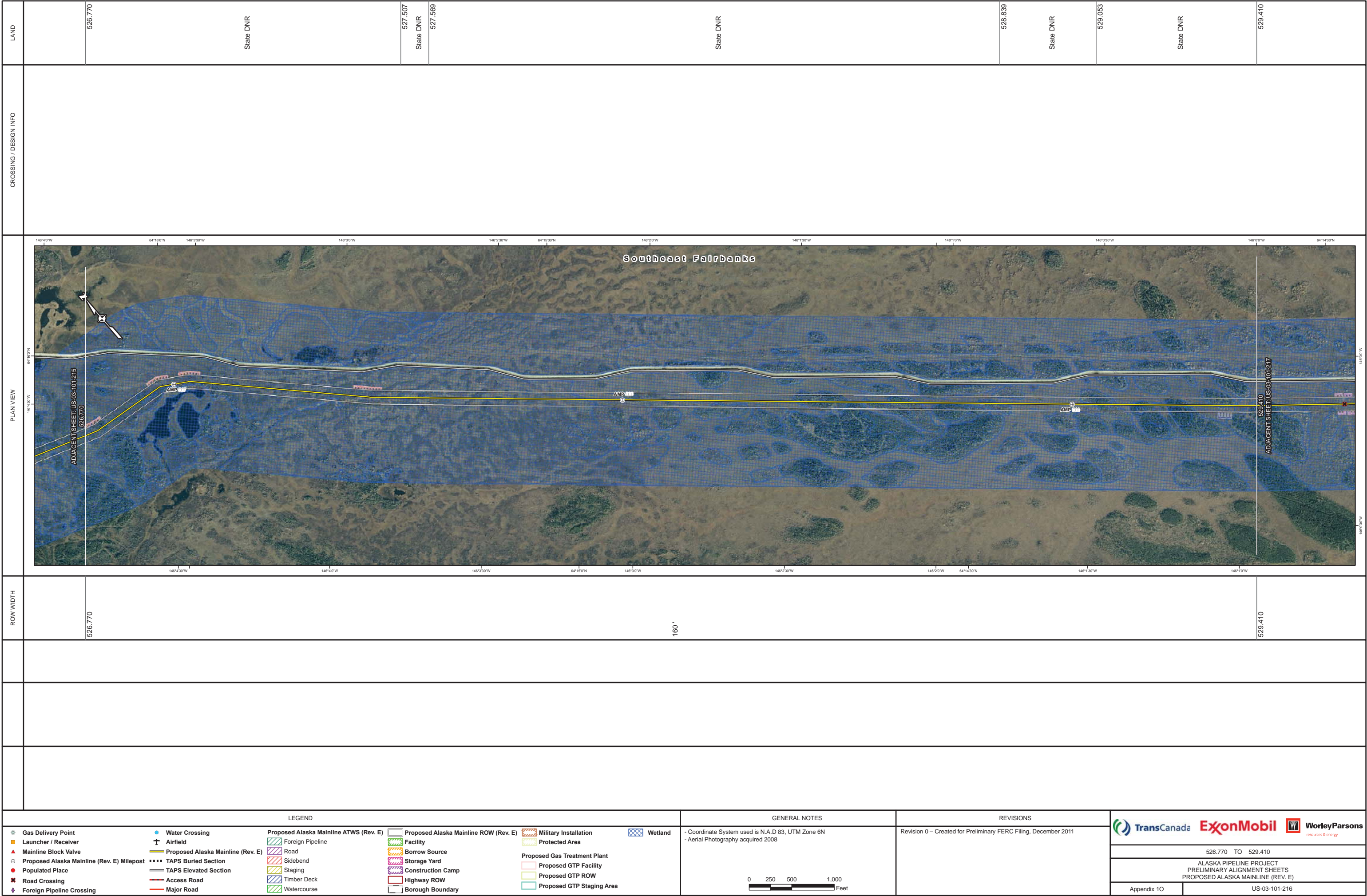
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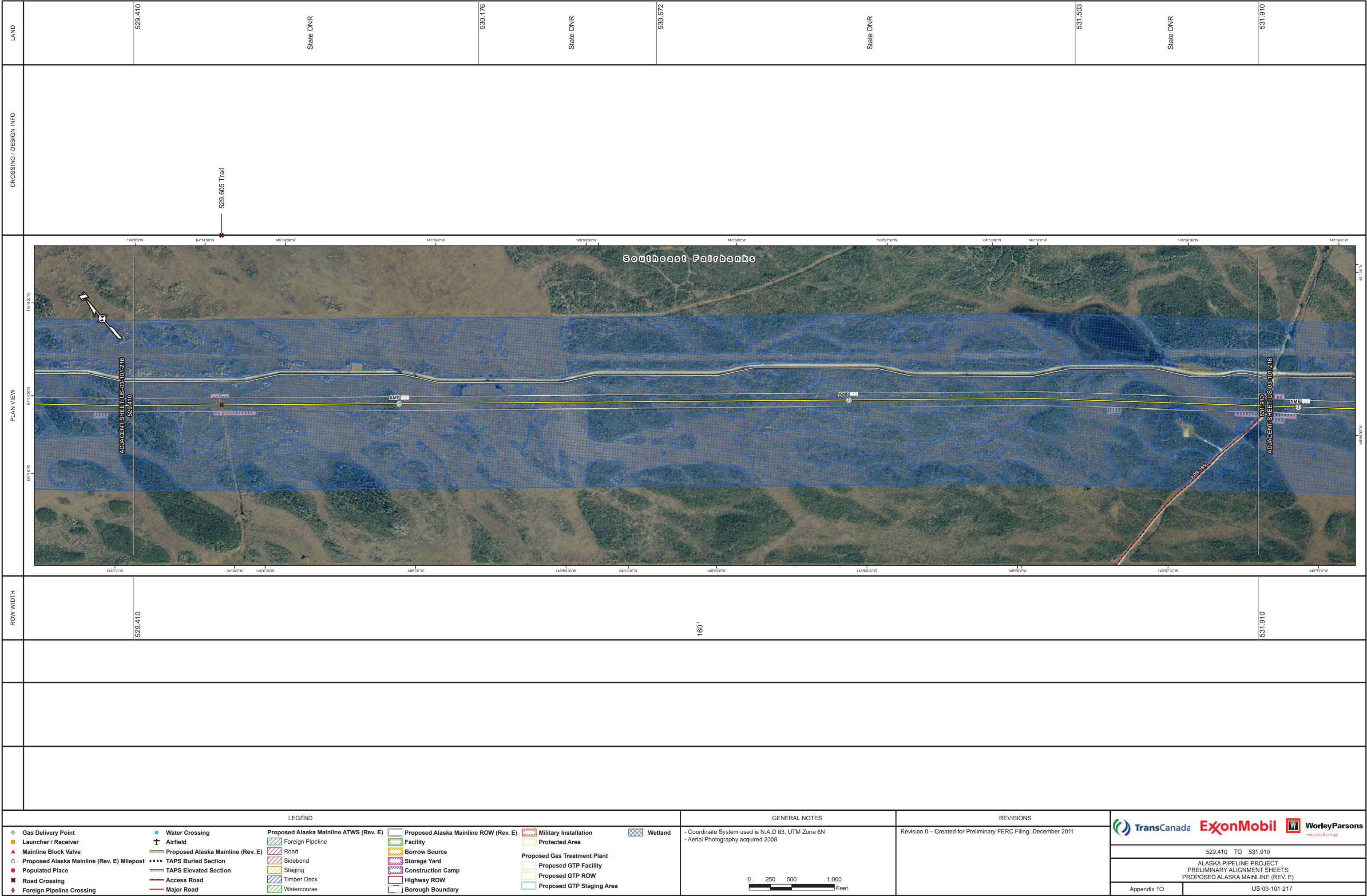


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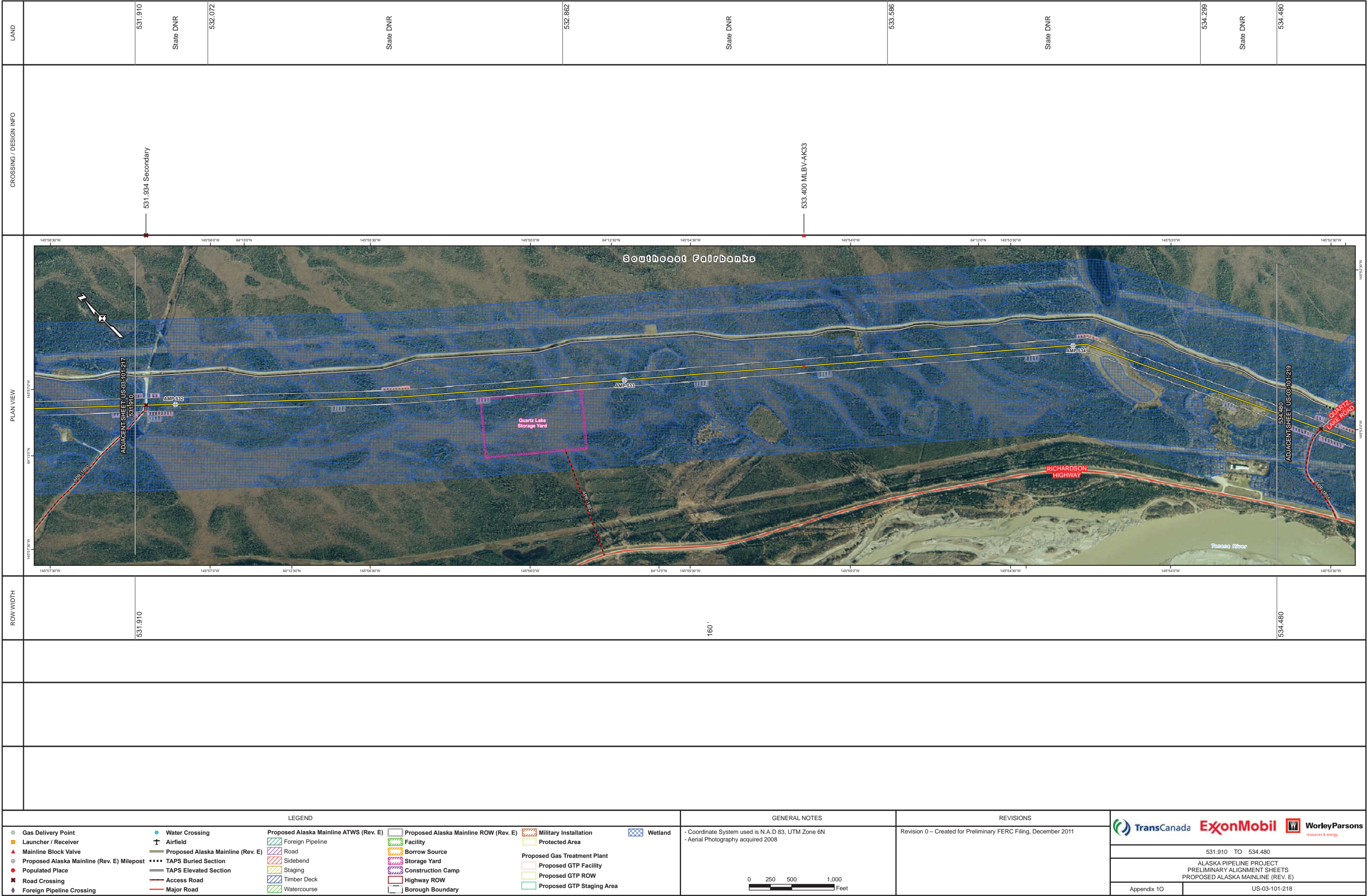






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**(see Volume 2: Critical Energy Infrastructure Information Binder 2 of 2)**

**Alaska Pipeline Project  
Appendix 1O  
Preliminary Alignment Sheets**

**Sheet US-03-101-219**



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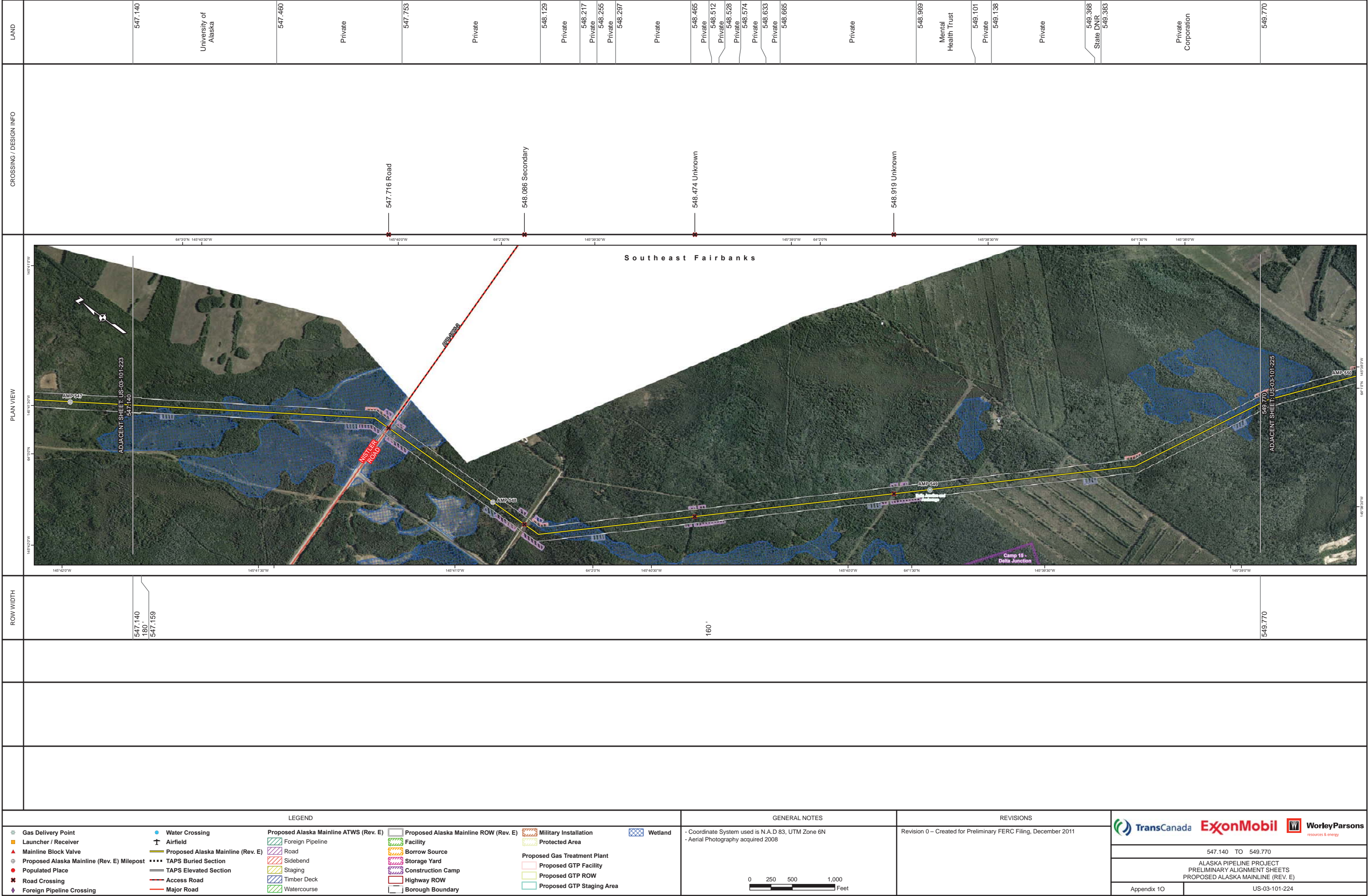




LAND	CROSSING / DESIGN INFO		PLAN VIEW	ROW WIDTH					
544.630  University of Alaska	545.182  University of Alaska	545.458  University of Alaska	546.266  State DNR	546.495  University of Alaska	546.581  University of Alaska	547.140			
544.630	160'		546.250 170'	546.345 180'	546.629 190'	546.761 180'	546.894 170'	547.083 180'	547.140
LEGEND									
<div><div><div><div> Gas Delivery Point</div><div> Launcher / Receiver</div><div> Mainline Block Valve</div><div> Proposed Alaska Mainline (Rev. E) Milepost</div><div> Populated Place</div><div> Road Crossing</div><div> Foreign Pipeline Crossing</div></div><div><div> Water Crossing</div><div> Airfield</div><div> Proposed Alaska Mainline (Rev. E)</div><div> TAPS Buried Section</div><div> TAPS Elevated Section</div><div> Access Road</div><div> Major Road</div></div><div><div><div><div> Proposed Alaska Mainline ATWS (Rev. E)</div><div> Foreign Pipeline</div><div> Road</div><div> Sidebend</div><div> Staging</div><div> Timber Deck</div><div> Watercourse</div></div><div><div> Proposed Alaska Mainline ROW (Rev. E)</div><div> Facility</div><div> Borrow Source</div><div> Storage Yard</div><div> Construction Camp</div><div> Highway ROW</div><div> Borough Boundary</div></div><div><div> Military Installation</div><div> Protected Area</div><div><div><div> Proposed Gas Treatment Plant</div><div> Proposed GTP Facility</div><div> Proposed GTP ROW</div><div> Proposed GTP Staging Area</div></div></div><div> Wetland</div></div></div><div><div>- Coordinate System used is N.A.D 83, UTM Zone 6N</div><div>- Aerial Photography acquired 2008</div><div></div></div></div><div><div>Revision 0 – Created for Preliminary FERC Filing, December 2011</div><div><div><div> TransCanada</div><div> ExxonMobil</div><div> WorleyParsons</div></div><div>resources &amp; energy</div></div><div><div>544.630 TO 547.140</div><div>ALASKA PIPELINE PROJECT PRELIMINARY ALIGNMENT SHEETS PROPOSED ALASKA MAINLINE (REV. E)</div><div><div>Appendix 1O</div><div>US-03-101-223</div></div></div></div></div></div>									

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547.140

180'

547.159

160'

549.770

LEGEND

GENERAL NOTES

REVISIONS

Gas Delivery Point

Launcher / Receiver

Mainline Block Valve

Proposed Alaska Mainline (Rev. E) Milepost

Populated Place

Road Crossing

Foreign Pipeline Crossing

Water Crossing

Airfield

Proposed Alaska Mainline (Rev. E)

TAPS Buried Section

TAPS Elevated Section

Access Road

Major Road

Proposed Alaska Mainline ATWS (Rev. E)

Foreign Pipeline

Road

Sidebend

Staging

Timber Deck

Watercourse

Proposed Alaska Mainline ROW (Rev. E)

Facility

Borrow Source

Storage Yard

Construction Camp

Highway ROW

Borough Boundary

Military Installation

Protected Area

Proposed Gas Treatment Plant

Proposed GTP Facility

Proposed GTP ROW

Proposed GTP Staging Area

Wetland

- Coordinate System used is N.A.D 83, UTM Zone 6N

- Aerial Photography acquired 2008

0

250

500

1,000

Feet

REVISIONS

Revision 0 – Created for Preliminary FERC Filing, December 2011

TransCanada

ExxonMobil

WorleyParsons

resources & energy

547.140 TO 549.770

ALASKA PIPELINE PROJECT

PRELIMINARY ALIGNMENT SHEETS

PROPOSED ALASKA MAINLINE (REV. E)

Appendix 10

US-03-101-224

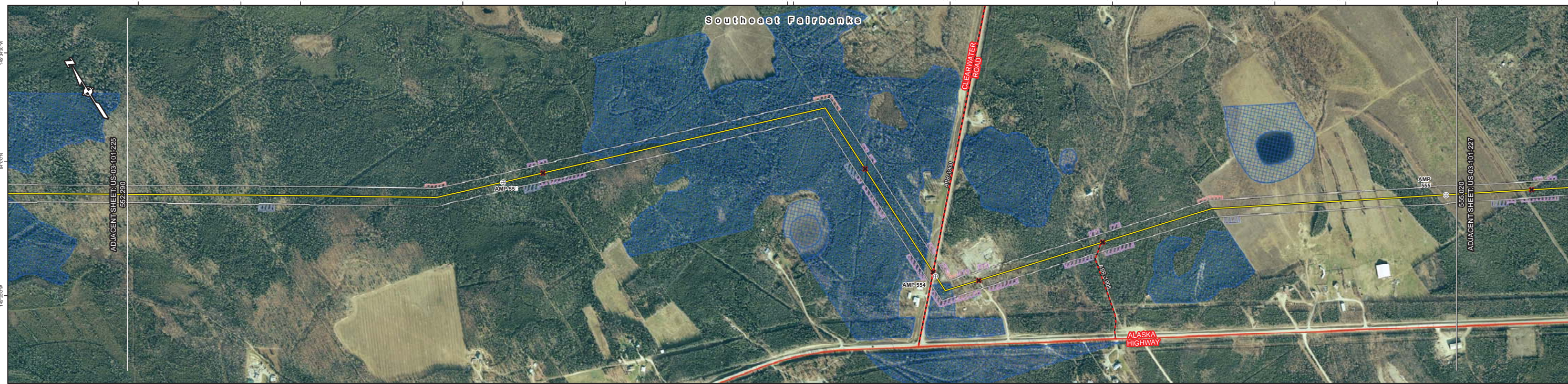


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LAND	CROSSING / DESIGN INFO											PLAN VIEW	ROW WIDTH										
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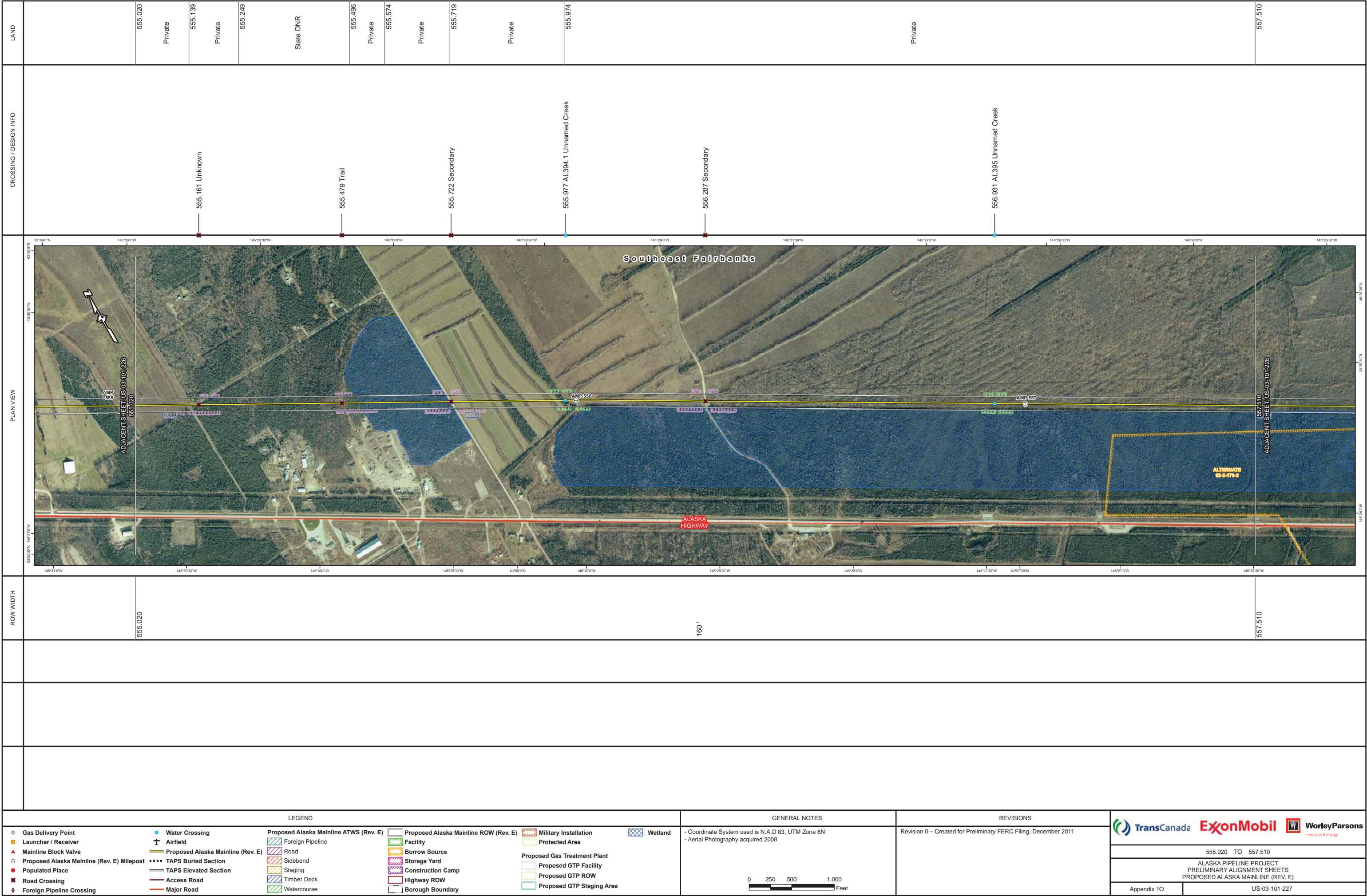
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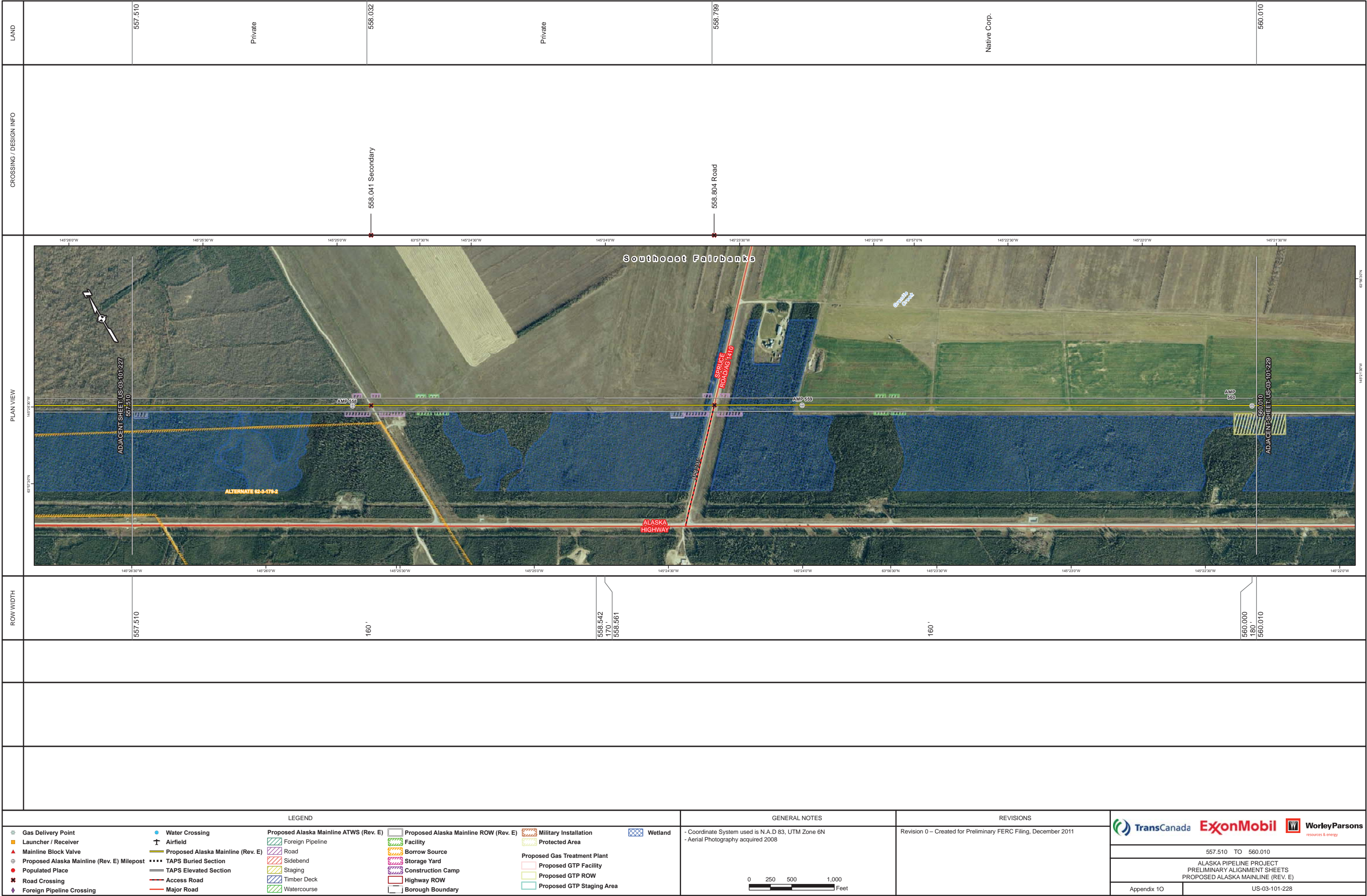
LAND											CROSSING / DESIGN INFO										PLAN VIEW										ROW WIDTH																																																																																																																																																				
	552.290 Private 552.298  BLM  552.504  Private  552.742  BLM  553.083  Private  553.683 Private 553.785 Private 554.033  BLM  554.599  Private  555.020										553.077 Unknown  553.758 Unknown  553.991 Road  554.100 Secondary  554.344 Secondary																				552.290 170' 552.367 180' 552.538 170' 552.633 180' 552.879 170' 553.106 180' 553.409 170' 553.655 180' 553.788 170' 554.981 180' 555.000 170' 555.019 180' 555.020																																																																																																																																																				
<b>LEGEND</b>																				<b>GENERAL NOTES</b>																				<b>REVISIONS</b>																																																																																																																																											
<ul style="list-style-type: none"><li>Gas Delivery Point</li><li>Launcher / Receiver</li><li>Mainline Block Valve</li><li>Proposed Alaska Mainline (Rev. E) Milepost</li><li>Populated Place</li><li>Road Crossing</li><li>Foreign Pipeline Crossing</li></ul>																				<ul style="list-style-type: none"><li>Water Crossing</li><li>Airfield</li><li>Proposed Alaska Mainline (Rev. E)</li><li>TAPS Buried Section</li><li>TAPS Elevated Section</li><li>Access Road</li><li>Major Road</li></ul>																				<ul style="list-style-type: none"><li>Proposed Alaska Mainline ATWS (Rev. E)</li><li>Foreign Pipeline</li><li>Road</li><li>Sidebend</li><li>Staging</li><li>Timber Deck</li><li>Watercourse</li></ul>																				<ul style="list-style-type: none"><li>Proposed Alaska Mainline ROW (Rev. E)</li><li>Facility</li><li>Borrow Source</li><li>Storage Yard</li><li>Construction Camp</li><li>Highway ROW</li><li>Borough Boundary</li></ul>																				<ul style="list-style-type: none"><li>Military Installation</li><li>Protected Area</li><li>Proposed Gas Treatment Plant</li><li>Proposed GTP Facility</li><li>Proposed GTP ROW</li><li>Proposed GTP Staging Area</li></ul>																				<ul style="list-style-type: none"><li>Wetland</li></ul>																				<ul style="list-style-type: none"><li>- Coordinate System used is N.A.D 83, UTM Zone 6N</li><li>- Aerial Photography acquired 2008</li></ul>																				<ul style="list-style-type: none"><li>Revision 0 – Created for Preliminary FERC Filing, December 2011</li></ul>																				<div>552.290 TO 555.020</div> <div>ALASKA PIPELINE PROJECT PRELIMINARY ALIGNMENT SHEETS PROPOSED ALASKA MAINLINE (REV. E)</div> <div>Appendix 10US-03-101-226</div>																			
																																																																																																																																																																																			

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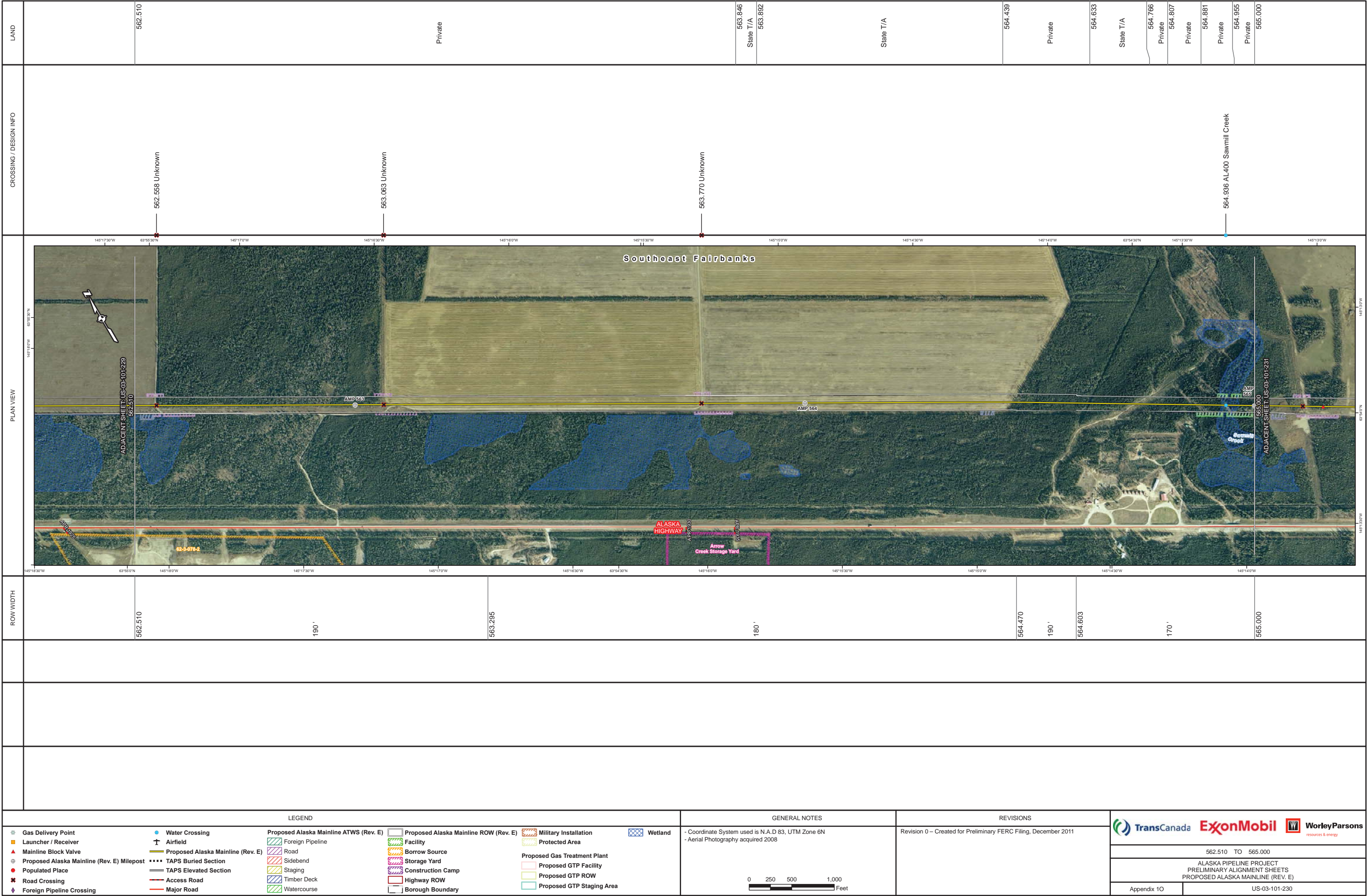




LAND	CROSSING / DESIGN INFO	PLAN VIEW	ROW WIDTH					
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<div><div><div><div> Gas Delivery Point</div><div> Launcher / Receiver</div><div> Mainline Block Valve</div><div> Proposed Alaska Mainline (Rev. E) Milepost</div><div> Populated Place</div><div> Road Crossing</div><div> Foreign Pipeline Crossing</div></div><div><div> Water Crossing</div><div> Airfield</div><div> Proposed Alaska Mainline (Rev. E)</div><div> TAPS Buried Section</div><div> TAPS Elevated Section</div><div> Access Road</div><div> Major Road</div></div><div><div><div><div> Foreign Pipeline</div><div> Road</div><div> Sidebend</div><div> Staging</div><div> Timber Deck</div><div> Watercourse</div></div><div><div> Proposed Alaska Mainline ROW (Rev. E)</div><div> Facility</div><div> Borrow Source</div><div> Storage Yard</div><div> Construction Camp</div><div> Highway ROW</div><div> Borough Boundary</div></div><div><div> Military Installation</div><div> Protected Area</div><div><div><div> Proposed Gas Treatment Plant</div><div> Proposed GTP Facility</div><div> Proposed GTP ROW</div><div> Proposed GTP Staging Area</div></div></div></div></div><div><div> Wetland</div><div> Coordinate System used is N.A.D 83, UTM Zone 6N</div><div> Aerial Photography acquired 2008</div><div> 0 250 500 1,000 Feet</div></div></div></div></div>			<div>Revision 0 – Created for Preliminary FERC Filing, December 2011</div> <div><div><div> TransCanada</div><div> ExxonMobil</div><div> WorleyParsons</div></div><div>resources &amp; energy</div><div>560.010 TO 562.510</div><div>ALASKA PIPELINE PROJECT PRELIMINARY ALIGNMENT SHEETS PROPOSED ALASKA MAINLINE (REV. E)</div><div>Appendix 1O</div><div>US-03-101-229</div></div>					

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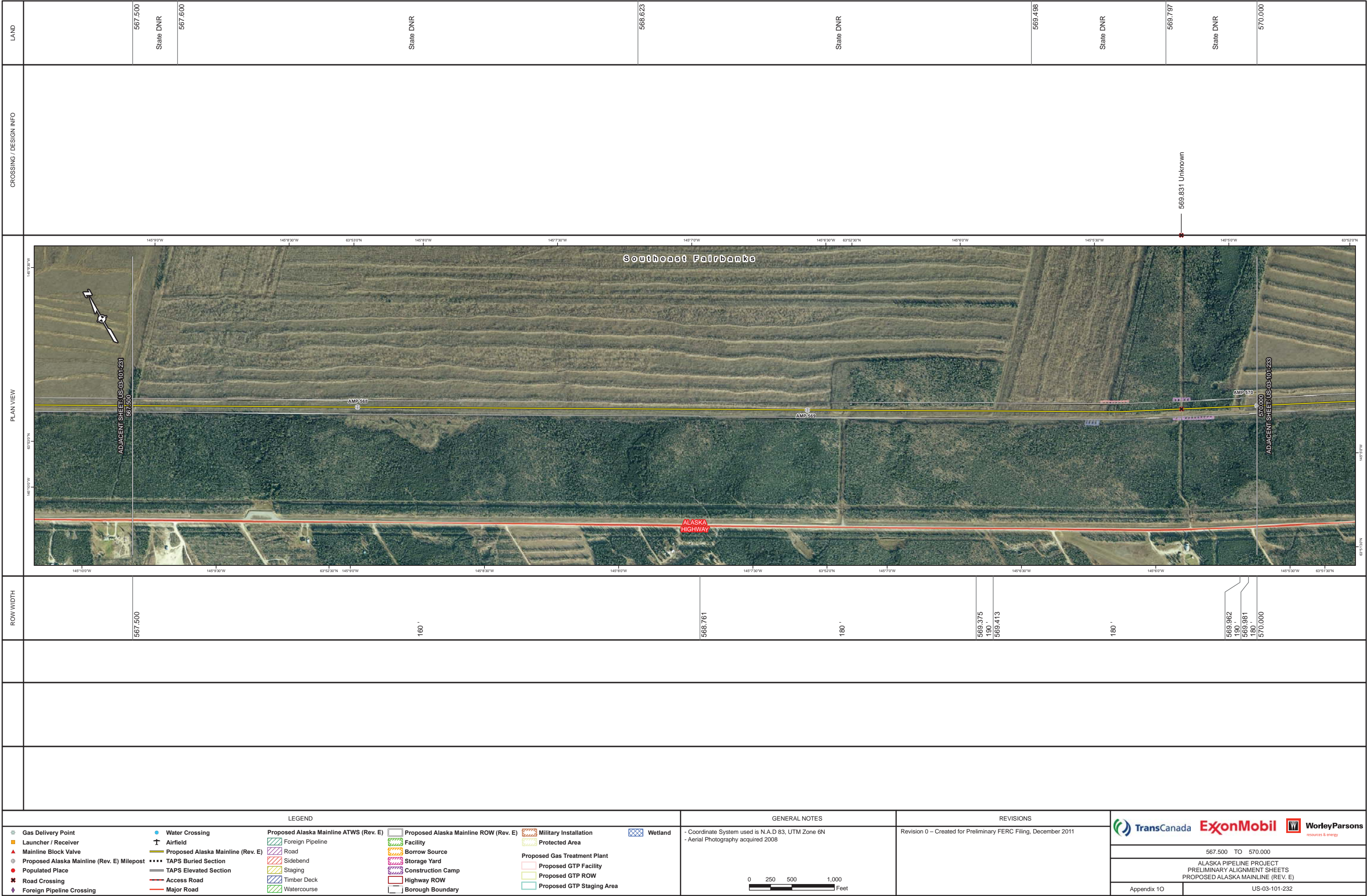






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GENERAL NOTES

- Coordinate System used is N.A.D 83, UTM Zone 6N

- Aerial Photography acquired 2008

02505001,000

Feet

REVISIONS

Revision 0 – Created for Preliminary FERC Filing, December 2011

TransCanada

ExxonMobil

WorleyParsons

resources & energy

567.500 TO 570.000

ALASKA PIPELINE PROJECT

PRELIMINARY ALIGNMENT SHEETS

PROPOSED ALASKA MAINLINE (REV. E)

Appendix 10

US-03-101-232

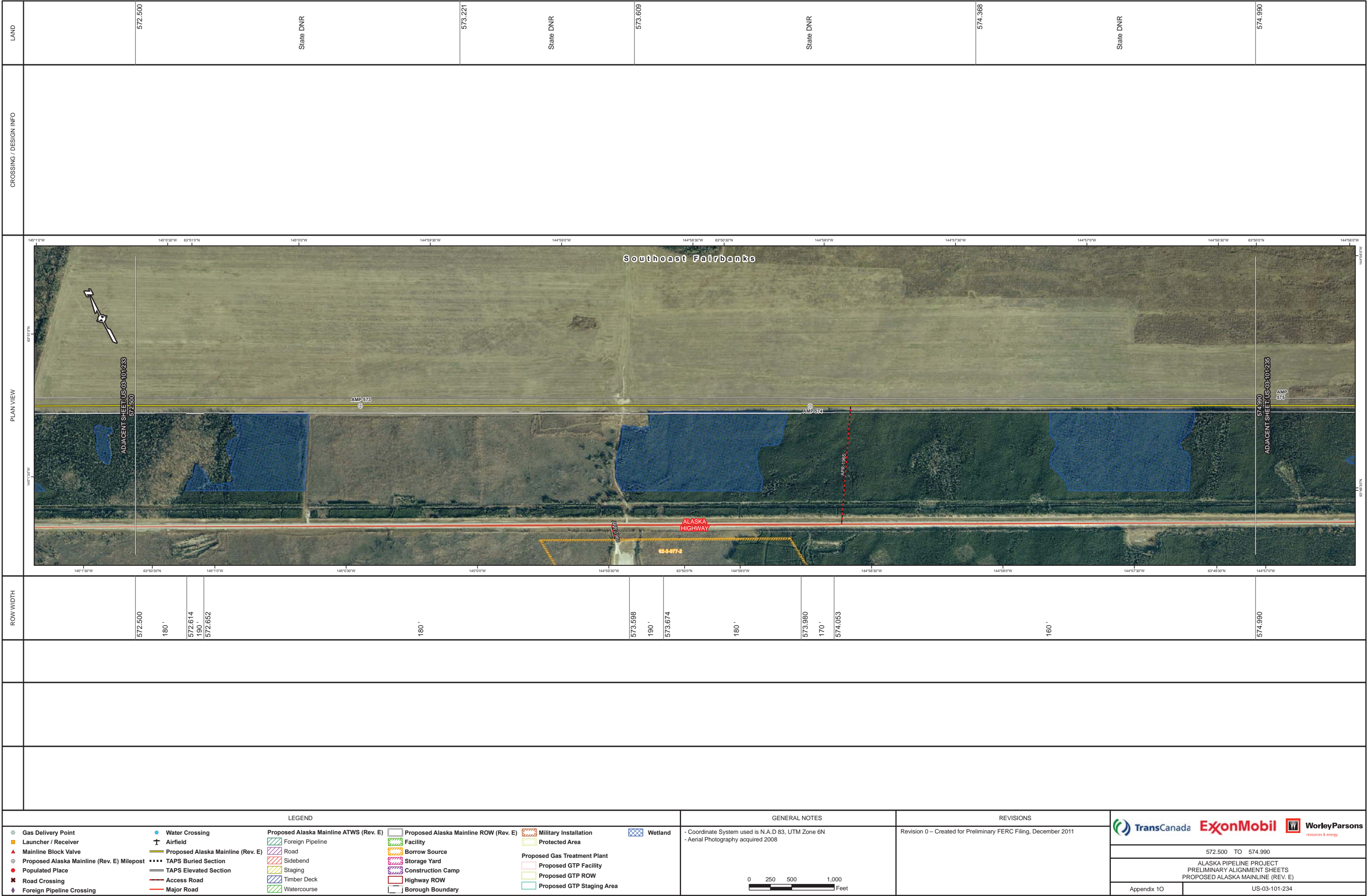
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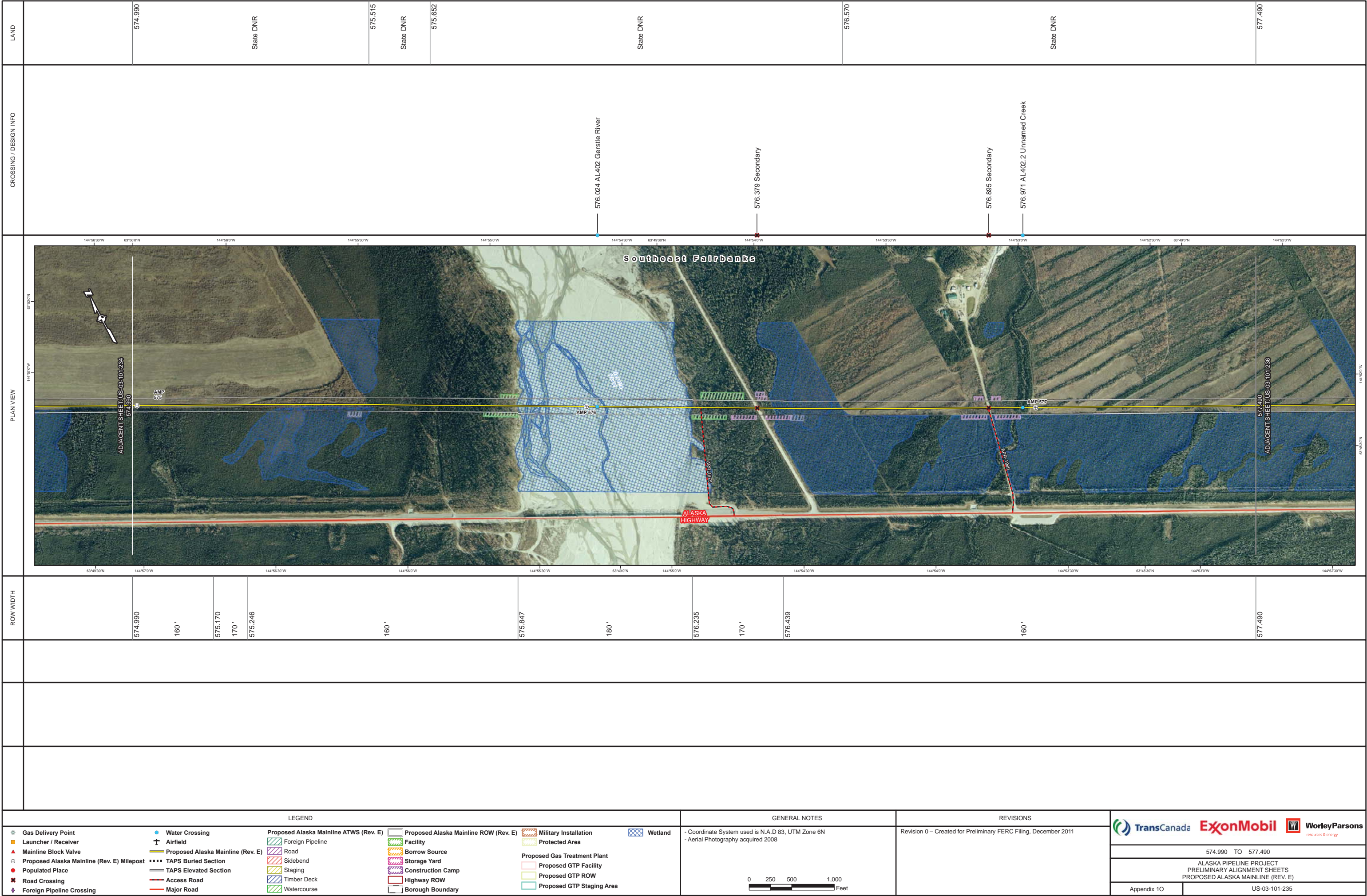


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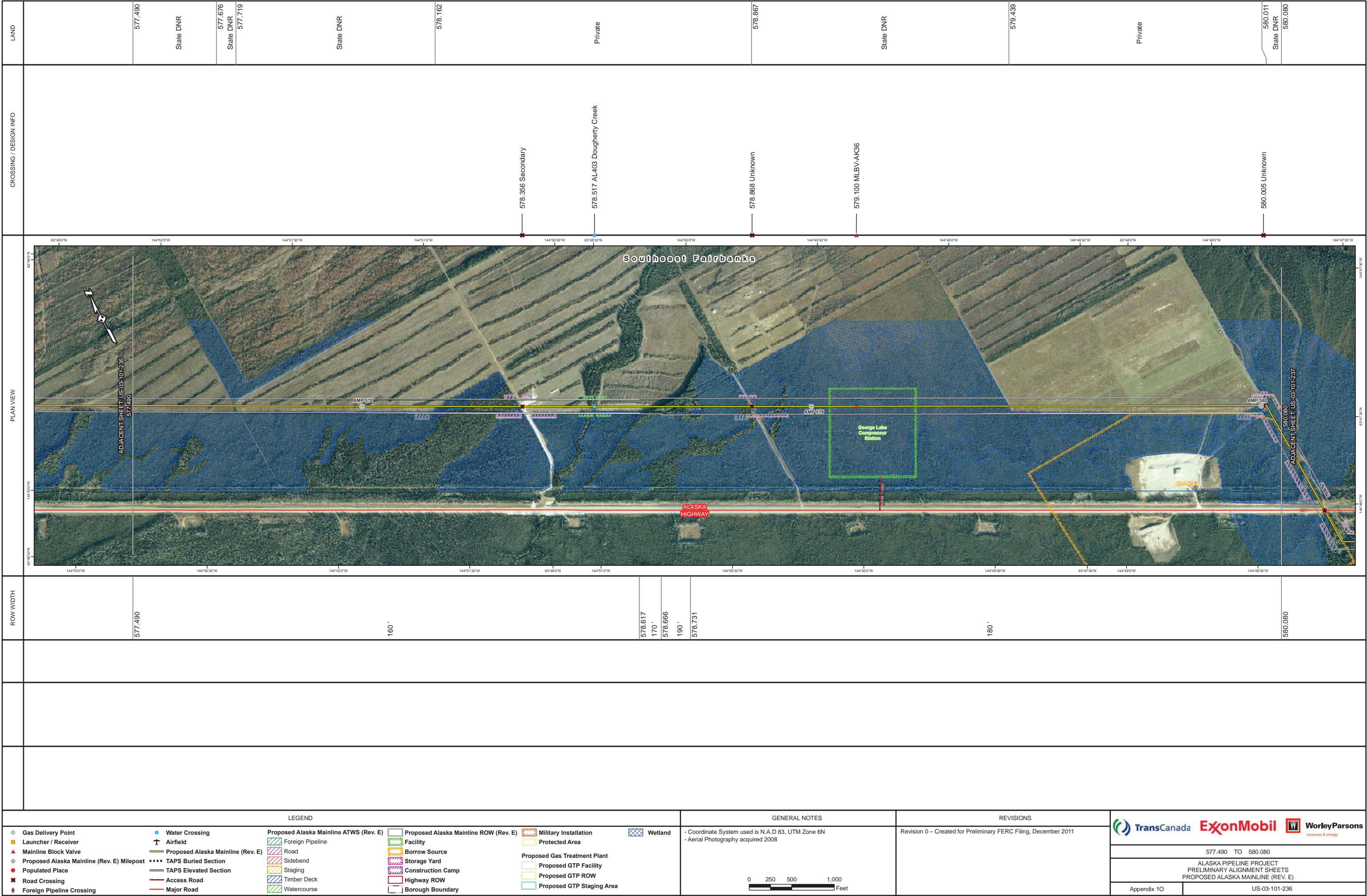






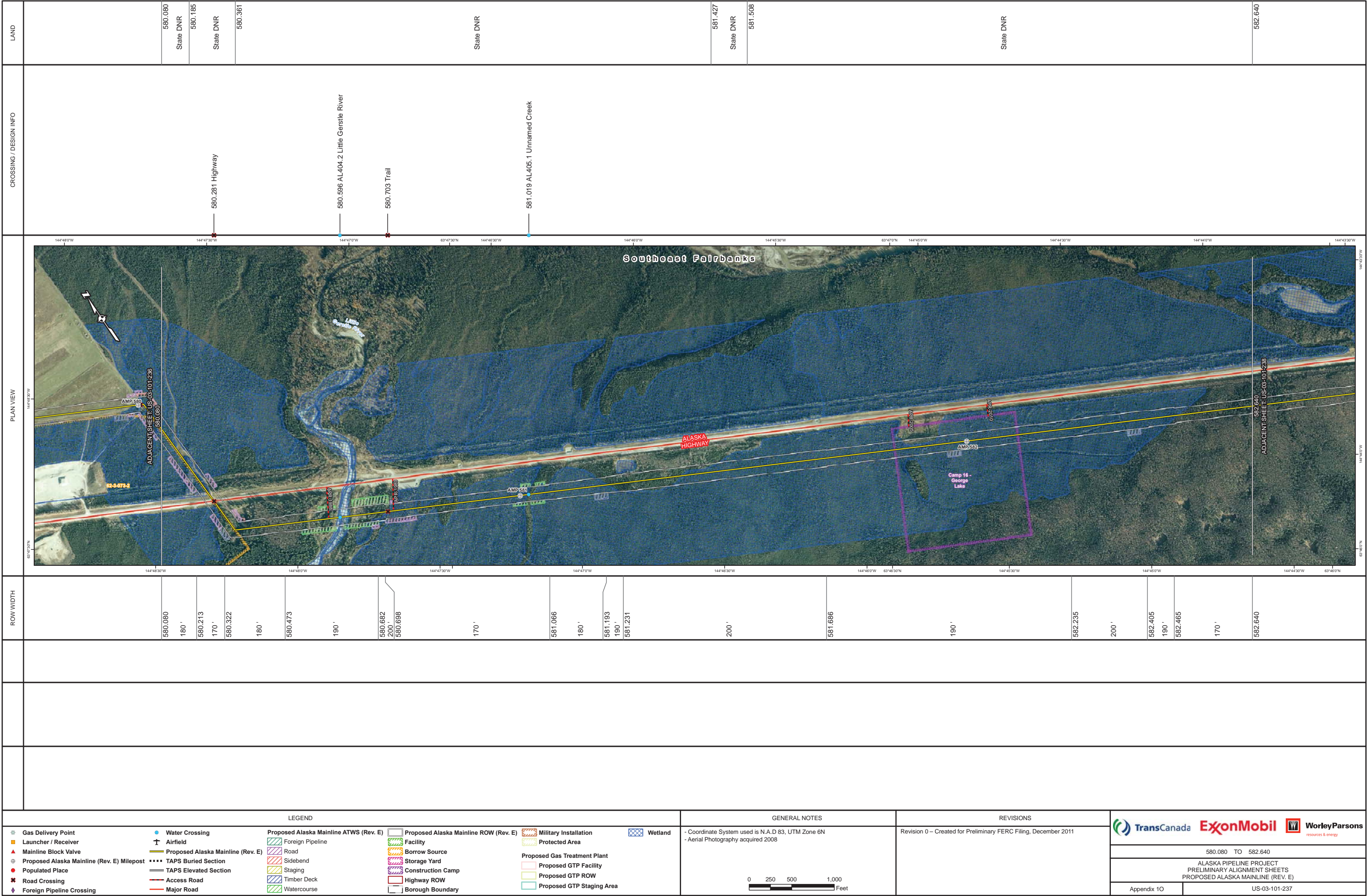
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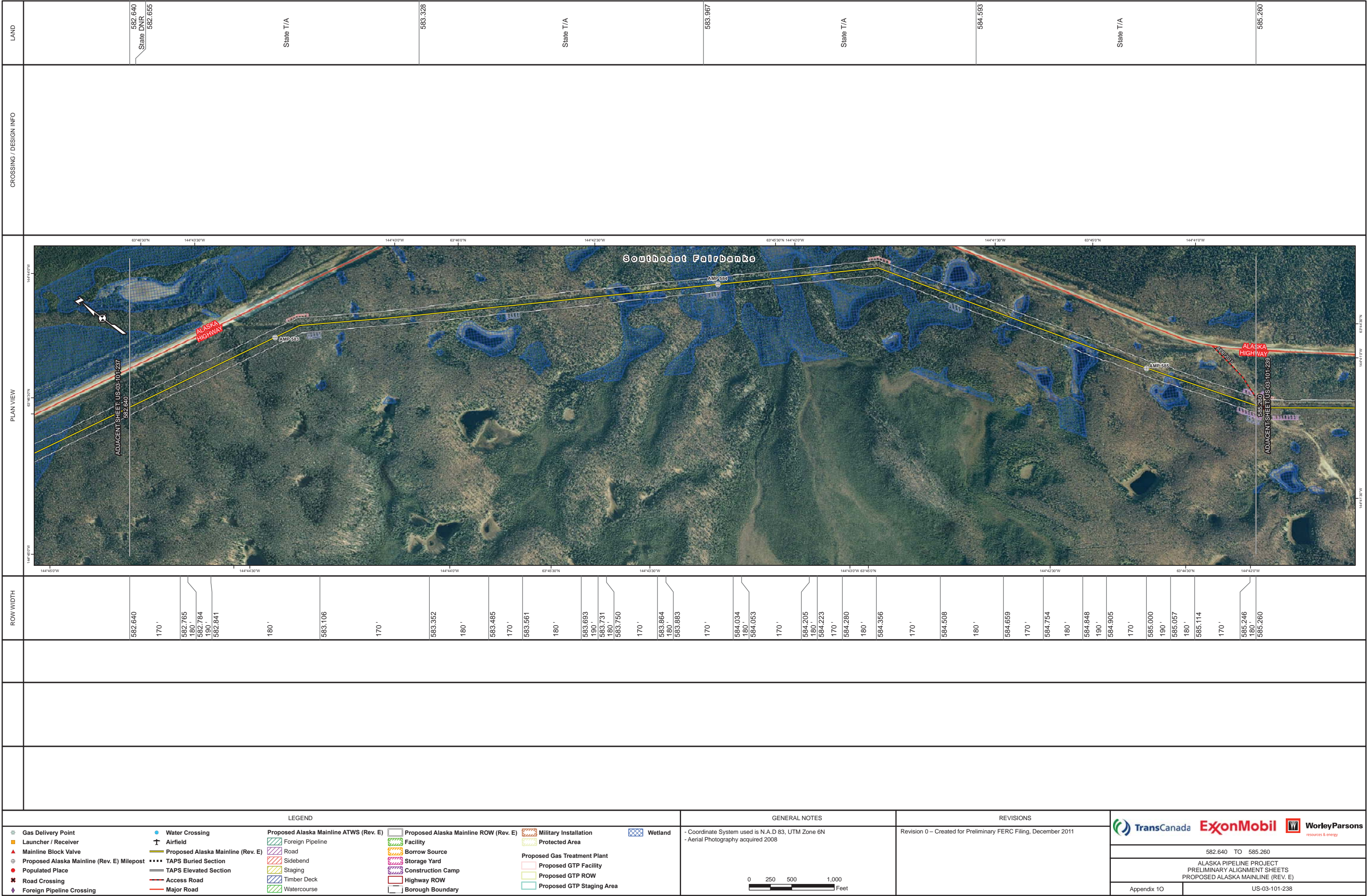


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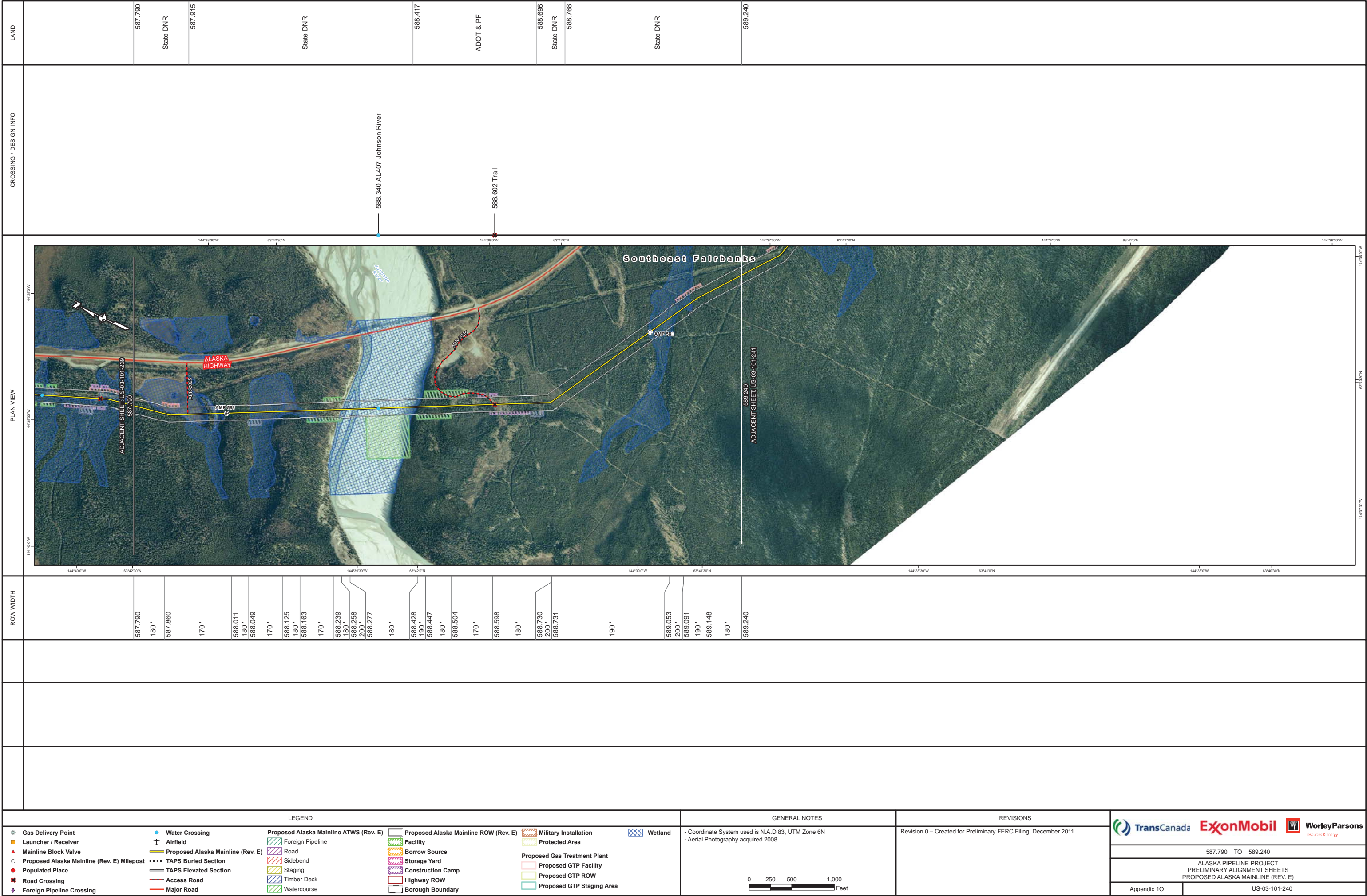




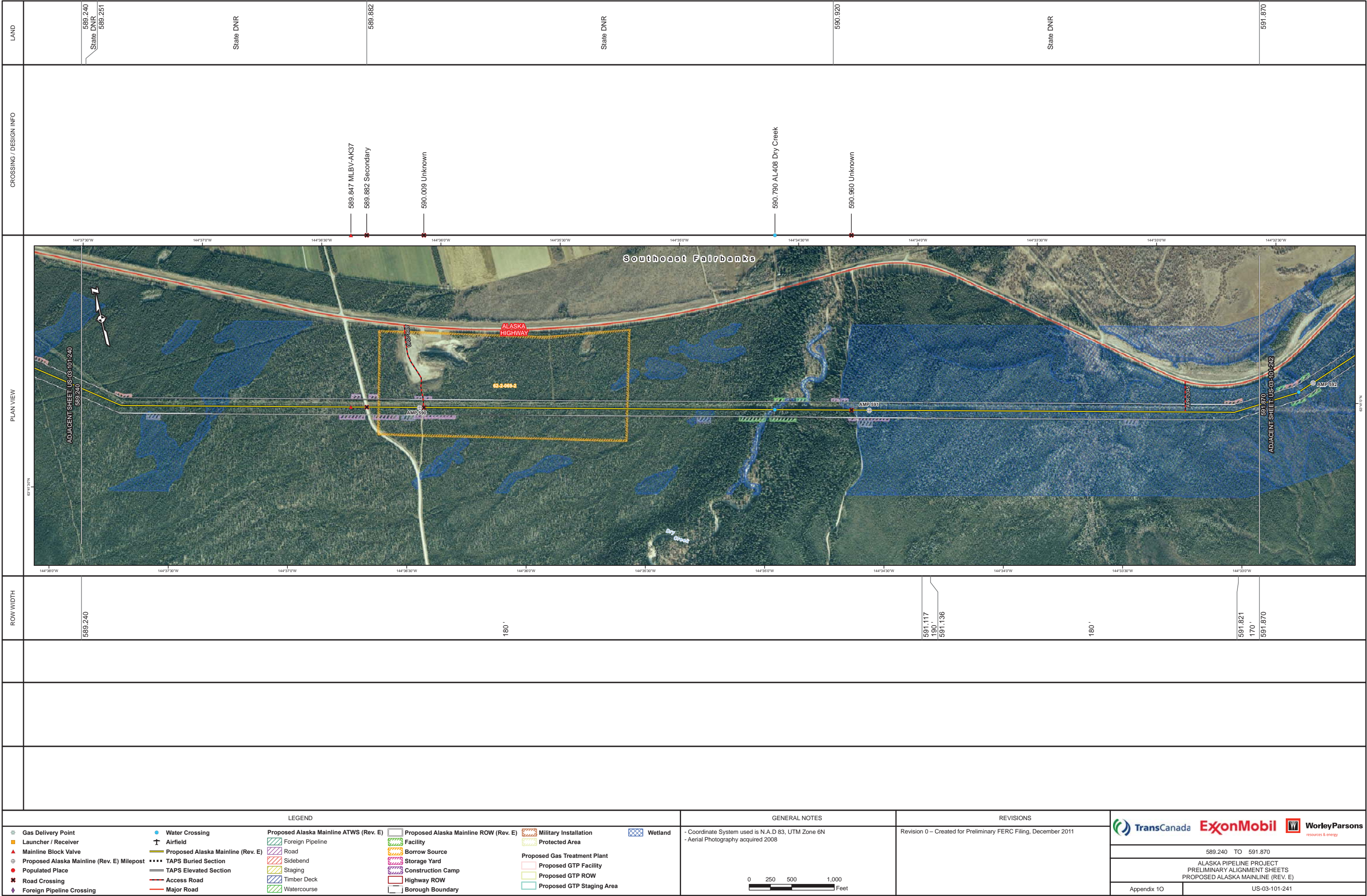
LAND	CROSSING / DESIGN INFO	PLAN VIEW	ROW WIDTH
585.260  State T/A  585.703  State DNR  586.184  State DNR  586.850  State DNR  587.790	585.276 Secondary          586.611 Secondary       587.584 AL 406 Unnamed Creek  587.713 Unknown		585.260 180' 585.322 170' 585.360 180' 585.473 170' 585.568 180'  586.212 170' 586.307 190' 586.420 180' 586.553 170' 586.591 180' 586.667 170' 586.723 180' 586.742 170' 586.894 180' 587.027 170' 587.083 180' 587.292 170' 587.405 180' 587.519 170' 587.784 180' 587.790
<div>LEGEND</div> <div><div><div><div><div></div><div>Gas Delivery Point</div></div><div><div></div><div>Launcher / Receiver</div></div><div><div></div><div>Mainline Block Valve</div></div><div><div></div><div>Proposed Alaska Mainline (Rev. E) Milepost</div></div><div><div></div><div>Populated Place</div></div><div><div></div><div>Road Crossing</div></div><div><div></div><div>Foreign Pipeline Crossing</div></div></div><div><div><div></div><div>Water Crossing</div></div><div><div></div><div>Airfield</div></div><div><div></div><div>Proposed Alaska Mainline (Rev. E)</div></div><div><div></div><div>TAPS Buried Section</div></div><div><div></div><div>TAPS Elevated Section</div></div><div><div></div><div>Access Road</div></div><div><div></div><div>Major Road</div></div></div><div><div><div></div><div>Foreign Pipeline</div></div><div><div></div><div>Road</div></div><div><div></div><div>Sidebend</div></div><div><div></div><div>Staging</div></div><div><div></div><div>Timber Deck</div></div><div><div></div><div>Watercourse</div></div></div><div><div><div></div><div>Proposed Alaska Mainline ROW (Rev. E)</div></div><div><div></div><div>Facility</div></div><div><div></div><div>Borrow Source</div></div><div><div></div><div>Storage Yard</div></div><div><div></div><div>Construction Camp</div></div><div><div></div><div>Highway ROW</div></div><div><div></div><div>Borough Boundary</div></div></div><div><div><div></div><div>Military Installation</div></div><div><div></div><div>Protected Area</div></div><div><div></div><div>Proposed Gas Treatment Plant</div></div><div><div></div><div>Proposed GTP Facility</div></div><div><div></div><div>Proposed GTP ROW</div></div><div><div></div><div>Proposed GTP Staging Area</div></div></div><div><div><div></div><div>Wetland</div></div></div></div><div><div>GENERAL NOTES</div><div><div>- Coordinate System used is N.A.D 83, UTM Zone 6N</div><div>- Aerial Photography acquired 2008</div></div><div><div>02505001,000</div><div>Feet</div></div></div><div><div>REVISIONS</div><div><div>Revision 0 – Created for Preliminary FERC Filing, December 2011</div></div></div><div><div><div><div></div><div></div><div></div></div><div><div>585.260 TO 587.790</div><div>ALASKA PIPELINE PROJECT PRELIMINARY ALIGNMENT SHEETS PROPOSED ALASKA MAINLINE (REV. E)</div><div><div>Appendix 10</div><div>US-03-101-239</div></div></div></div></div></div>			

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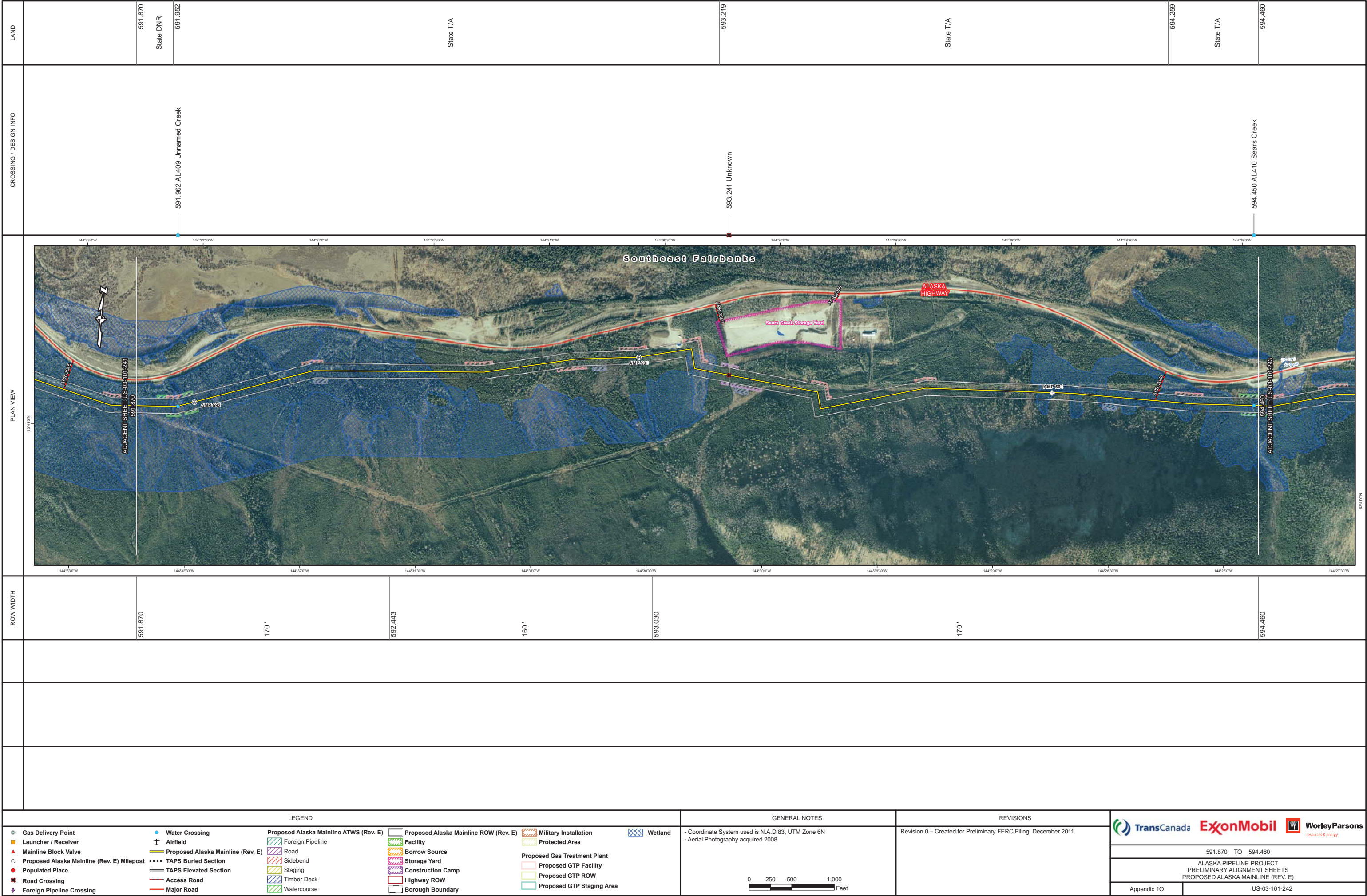














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LAND	599.550	State T/A	600.397	State T/A	601.477	State T/A	602.050									
CROSSING / DESIGN INFO	599.794 AL415.1 Unnamed Creek															
PLAN VIEW																
ROW WIDTH	599.550	170'	599.832	200'	599.962	190'	600.208	180'	600.481	170'	601.931	180'	601.945	170'	602.050	
LEGEND										GENERAL NOTES		REVISIONS		Logos and Project Info		
<div><div><div><div> Gas Delivery Point</div><div> Launcher / Receiver</div><div> Mainline Block Valve</div><div> Proposed Alaska Mainline (Rev. E) Milepost</div><div> Populated Place</div><div> Road Crossing</div><div> Foreign Pipeline Crossing</div></div><div><div> Water Crossing</div><div> Airfield</div><div> Proposed Alaska Mainline (Rev. E)</div><div> TAPS Buried Section</div><div> TAPS Elevated Section</div><div> Access Road</div><div> Major Road</div></div><div><div><div> Foreign Pipeline</div><div> Road</div><div> Sidebend</div><div> Staging</div><div> Timber Deck</div><div> Watercourse</div></div><div><div> Proposed Alaska Mainline ROW (Rev. E)</div><div> Facility</div><div> Borrow Source</div><div> Storage Yard</div><div> Construction Camp</div><div> Highway ROW</div><div> Borough Boundary</div></div><div><div> Military Installation</div><div> Protected Area</div><div><div> Proposed Gas Treatment Plant</div><div> Proposed GTP Facility</div><div> Proposed GTP ROW</div><div> Proposed GTP Staging Area</div></div><div> Wetland</div></div></div></div><div><div><div><div>- Coordinate System used is N.A.D 83, UTM Zone 6N</div><div>- Aerial Photography acquired 2008</div></div><div></div></div></div><div><div>Revision 0 – Created for Preliminary FERC Filing, December 2011</div><div><div>TransCanadaExxonMobilWorleyParsons</div><div>resources &amp; energy</div></div><div>599.550 TO 602.050</div><div>ALASKA PIPELINE PROJECT PRELIMINARY ALIGNMENT SHEETS PROPOSED ALASKA MAINLINE (REV. E)</div><div><div>Appendix 10</div><div>US-03-101-245</div></div></div></div>																

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LAND	CROSSING / DESIGN INFO	PLAN VIEW	ROW WIDTH
602.050  State T/A	602.497  State T/A	602.777  State T/A	603.567  State T/A
604.570			
602.050 170' 602.197	160'	602.879 170'	603.409 160'
604.337 170'	604.570		
LEGEND			
<div><div><ul style="list-style-type: none"><li>Gas Delivery Point</li><li>Launcher / Receiver</li><li>Mainline Block Valve</li><li>Proposed Alaska Mainline (Rev. E) Milepost</li><li>Populated Place</li><li>Road Crossing</li><li>Foreign Pipeline Crossing</li></ul></div><div><ul style="list-style-type: none"><li>Water Crossing</li><li>Airfield</li><li>Proposed Alaska Mainline (Rev. E)</li><li>TAPS Buried Section</li><li>TAPS Elevated Section</li><li>Access Road</li><li>Major Road</li></ul></div><div><div>Proposed Alaska Mainline ATWS (Rev. E)</div><ul style="list-style-type: none"><li>Foreign Pipeline</li><li>Road</li><li>Sidebend</li><li>Staging</li><li>Timber Deck</li><li>Watercourse</li></ul></div><div><div>Proposed Alaska Mainline ROW (Rev. E)</div><ul style="list-style-type: none"><li>Facility</li><li>Borrow Source</li><li>Storage Yard</li><li>Construction Camp</li><li>Highway ROW</li><li>Borough Boundary</li></ul></div><div><div>Military Installation</div><ul style="list-style-type: none"><li>Protected Area</li></ul></div><div><div>Proposed Gas Treatment Plant</div><ul style="list-style-type: none"><li>Proposed GTP Facility</li><li>Proposed GTP ROW</li><li>Proposed GTP Staging Area</li></ul></div><div><ul style="list-style-type: none"><li>Wetland</li></ul></div></div>			
GENERAL NOTES			
REVISIONS			
<div><div><div> TransCanada</div><div> ExxonMobil</div><div> WorleyParsons</div></div><div>resources &amp; energy</div></div> <div>602.050 TO 604.570</div> <div>ALASKA PIPELINE PROJECT PRELIMINARY ALIGNMENT SHEETS PROPOSED ALASKA MAINLINE (REV. E)</div> <div>Appendix 1O</div> <div>US-03-101-246</div>			

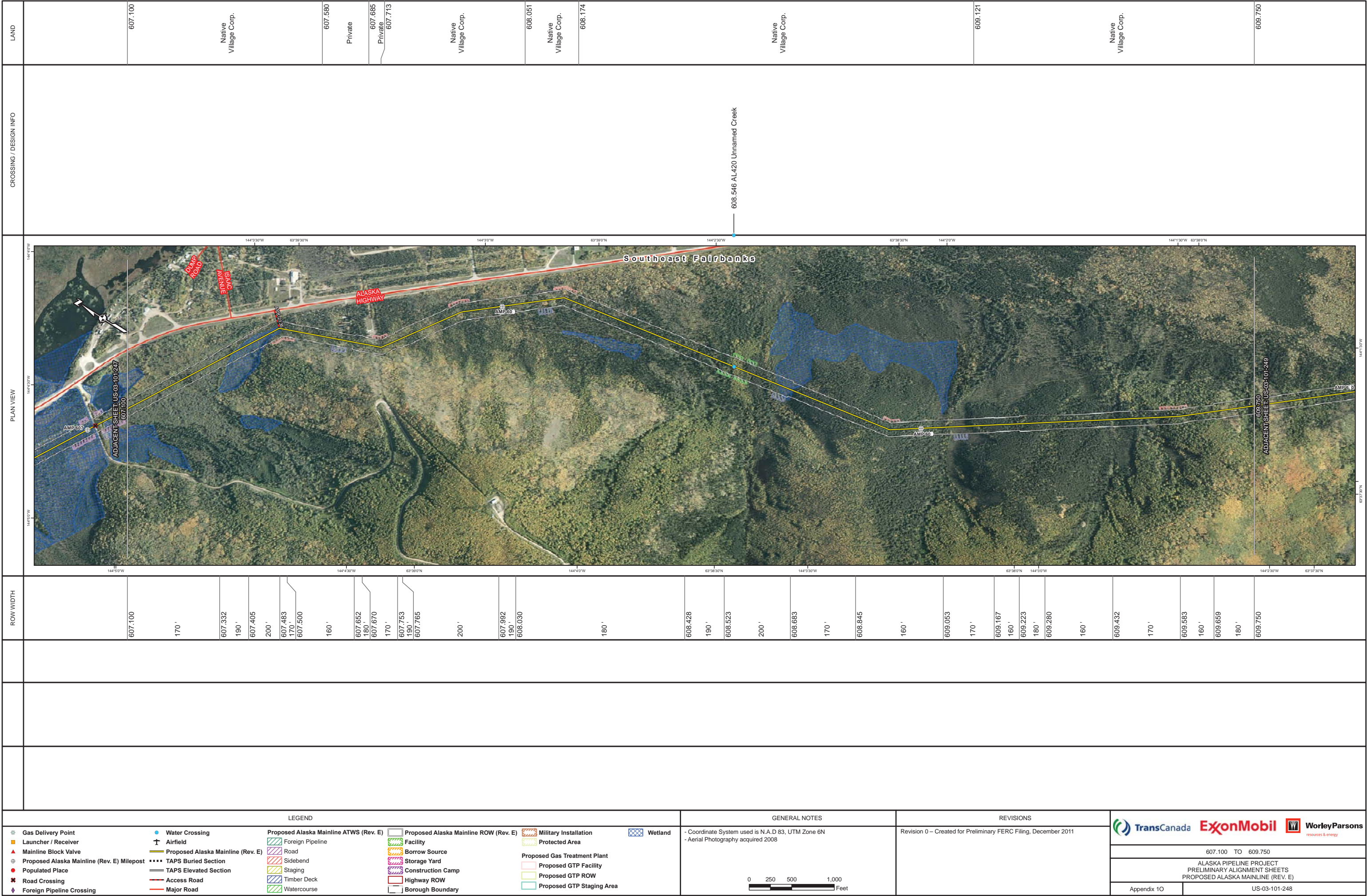
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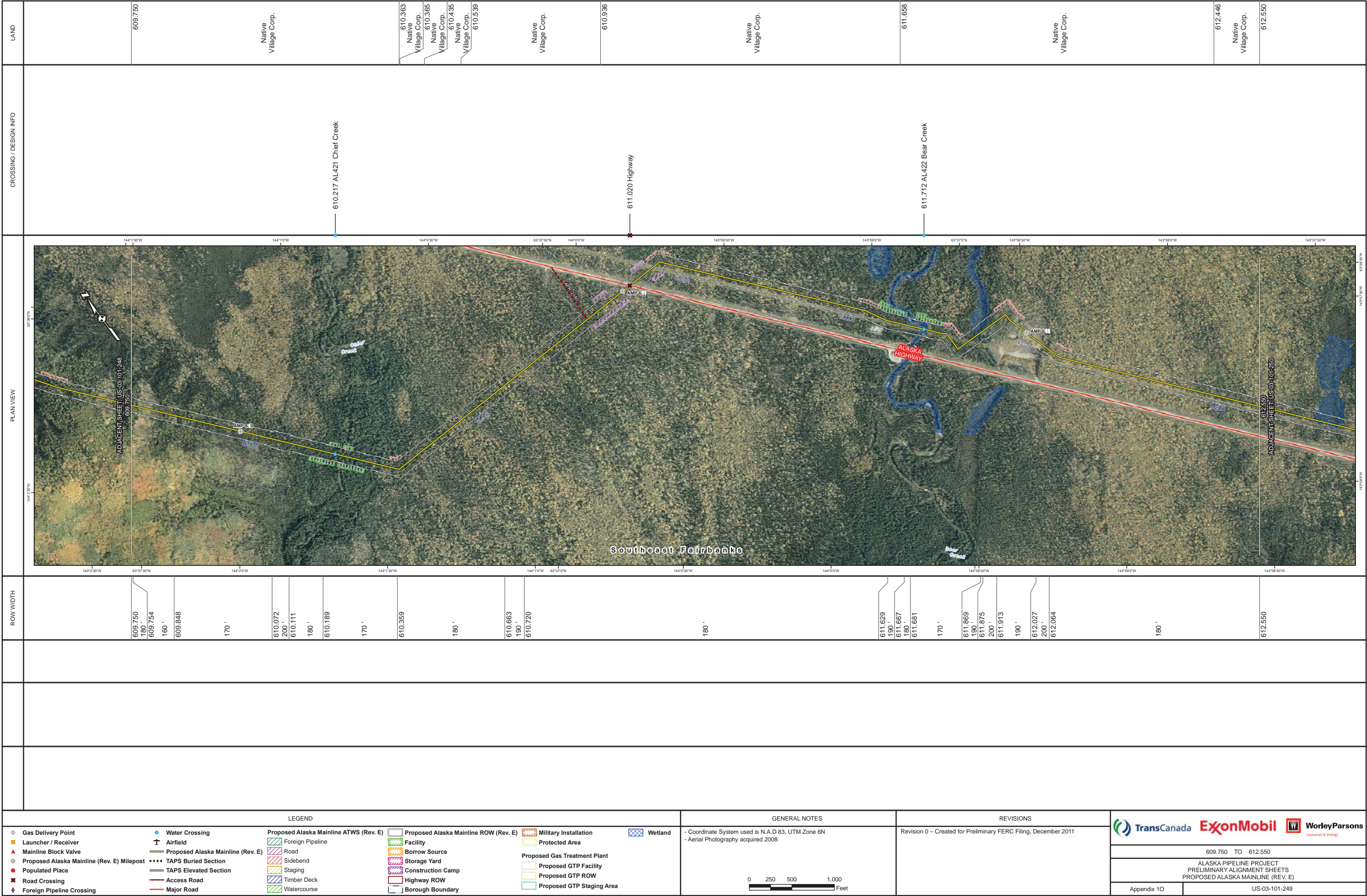
LAND	CROSSING / DESIGN INFO	PLAN VIEW	ROW WIDTH					
604.570 State T/A 604.576  Native Village Corp.			604.570					
			170'					
			605.120 190' 605.133 200' 605.152	170'				
			605.274 190' 605.284	180'				
605.601  Native Village Corp.			605.371		170'			
			605.701 180' 605.739 170' 605.747 190' 605.777	170'				
			605.890		160'			
606.434  Native Village Corp.			605.985					
			606.501 180' 606.515 190' 606.519	170'				
606.749  Native Village Corp.	606.651 AL418 Unnamed Creek 606.792 AL419 Unnamed Creek 607.019 Secondary		606.629		160'			
607.100  Native Village Corp.		607.045 170' 607.100						
LEGEND		GENERAL NOTES		REVISIONS		Appendix 1O		
<div><div><div><div>Gas Delivery Point</div><div>Launcher / Receiver</div><div>Mainline Block Valve</div><div>Proposed Alaska Mainline (Rev. E) Milepost</div><div>Populated Place</div><div>Road Crossing</div><div>Foreign Pipeline Crossing</div></div><div><div>Water Crossing</div><div>Airfield</div><div>Proposed Alaska Mainline (Rev. E)</div><div>TAPS Buried Section</div><div>TAPS Elevated Section</div><div>Access Road</div><div>Major Road</div></div><div><div>Proposed Alaska Mainline ATWS (Rev. E)</div><div>Foreign Pipeline</div><div>Road</div><div>Sidebend</div><div>Staging</div><div>Timber Deck</div><div>Watercourse</div></div><div><div>Proposed Alaska Mainline ROW (Rev. E)</div><div>Facility</div><div>Borrow Source</div><div>Storage Yard</div><div>Construction Camp</div><div>Highway ROW</div><div>Borough Boundary</div></div><div><div>Military Installation</div><div>Protected Area</div><div>Proposed Gas Treatment Plant</div><div>Proposed GTP Facility</div><div>Proposed GTP ROW</div><div>Proposed GTP Staging Area</div></div><div><div>Wetland</div></div></div></div>		<div>- Coordinate System used is N.A.D 83, UTM Zone 6N</div> <div>- Aerial Photography acquired 2008</div> <div><div>0</div><div>250</div><div>500</div><div>1,000</div><div>Feet</div></div>		<div>Revision 0 – Created for Preliminary FERC Filing, December 2011</div>		<div><div>TransCanada</div><div>ExxonMobil</div><div>WorleyParsons</div><div>resources &amp; energy</div></div> <div>604.570 TO 607.100</div> <div>ALASKA PIPELINE PROJECT</div> <div>PRELIMINARY ALIGNMENT SHEETS</div> <div>PROPOSED ALASKA MAINLINE (REV. E)</div> <div>Appendix 1O</div> <div>US-03-101-247</div>		

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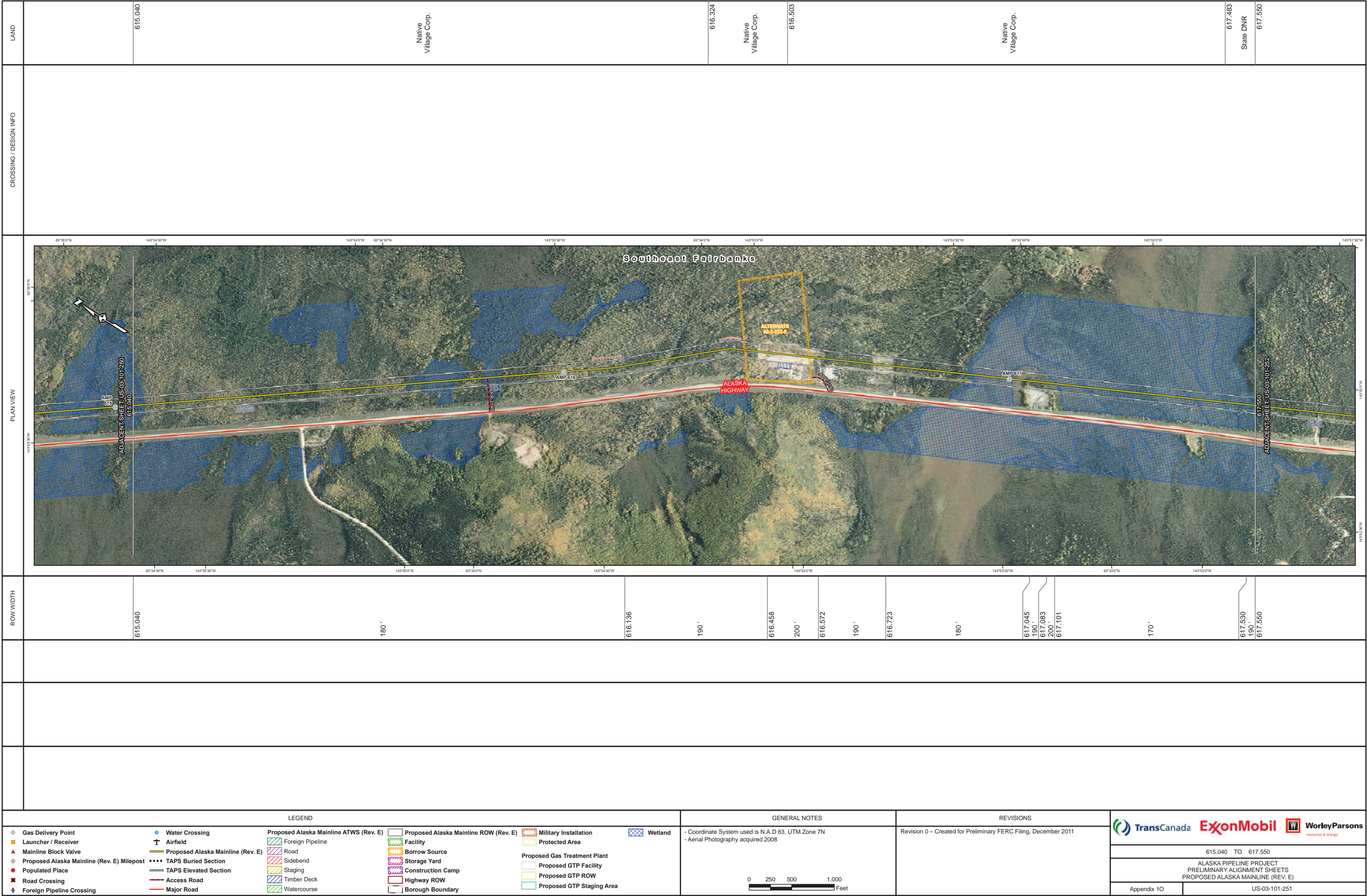
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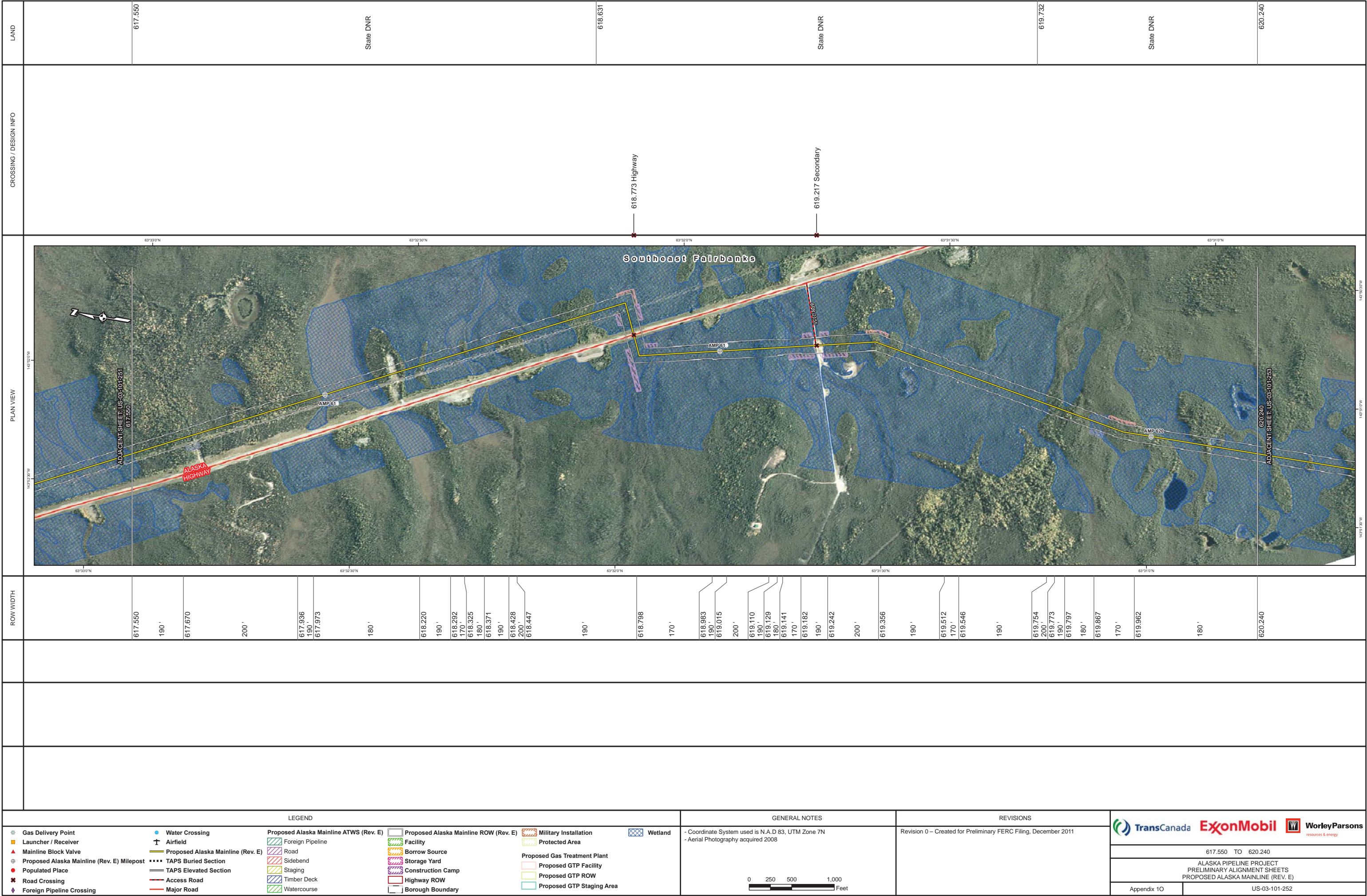
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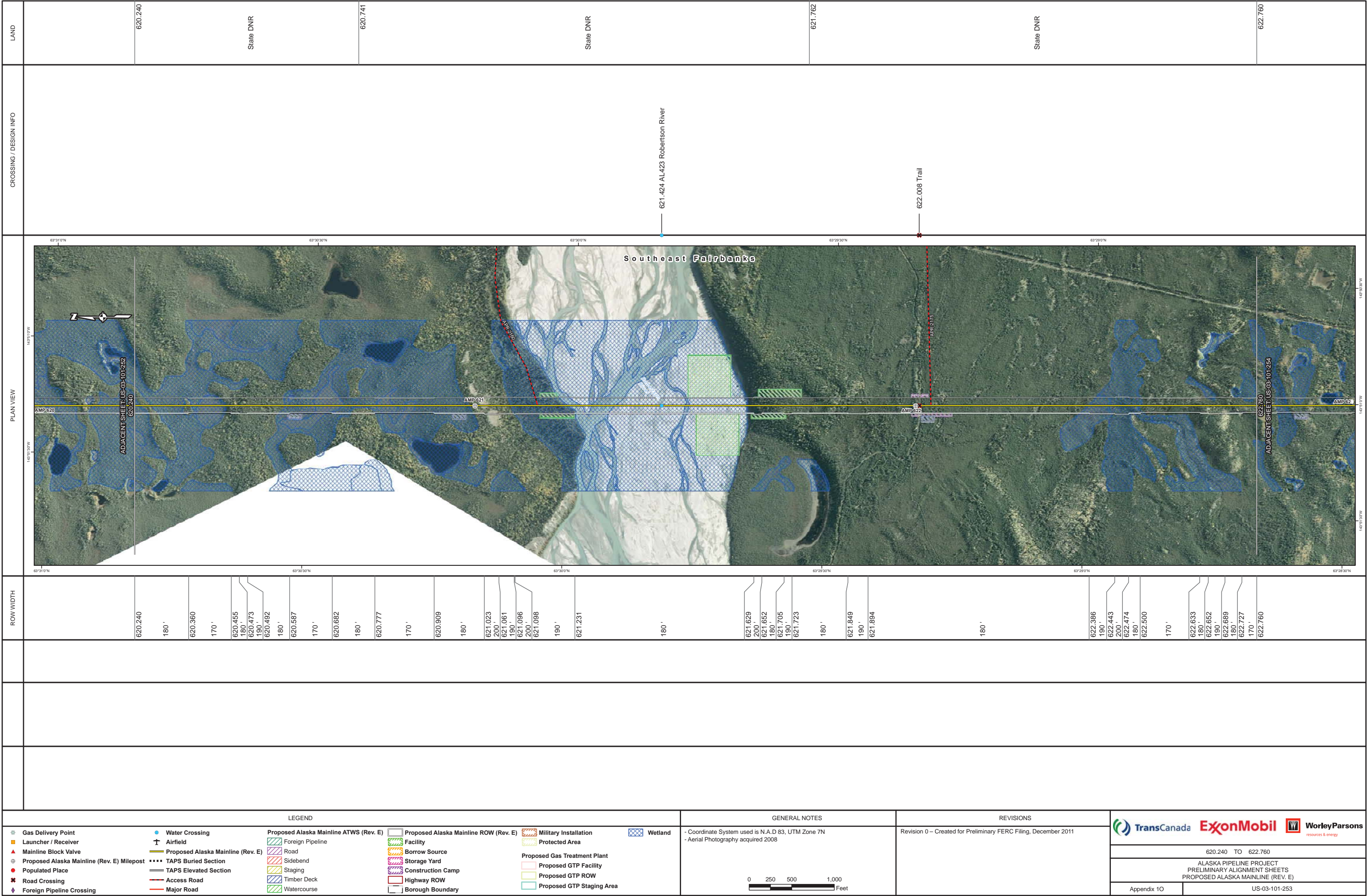


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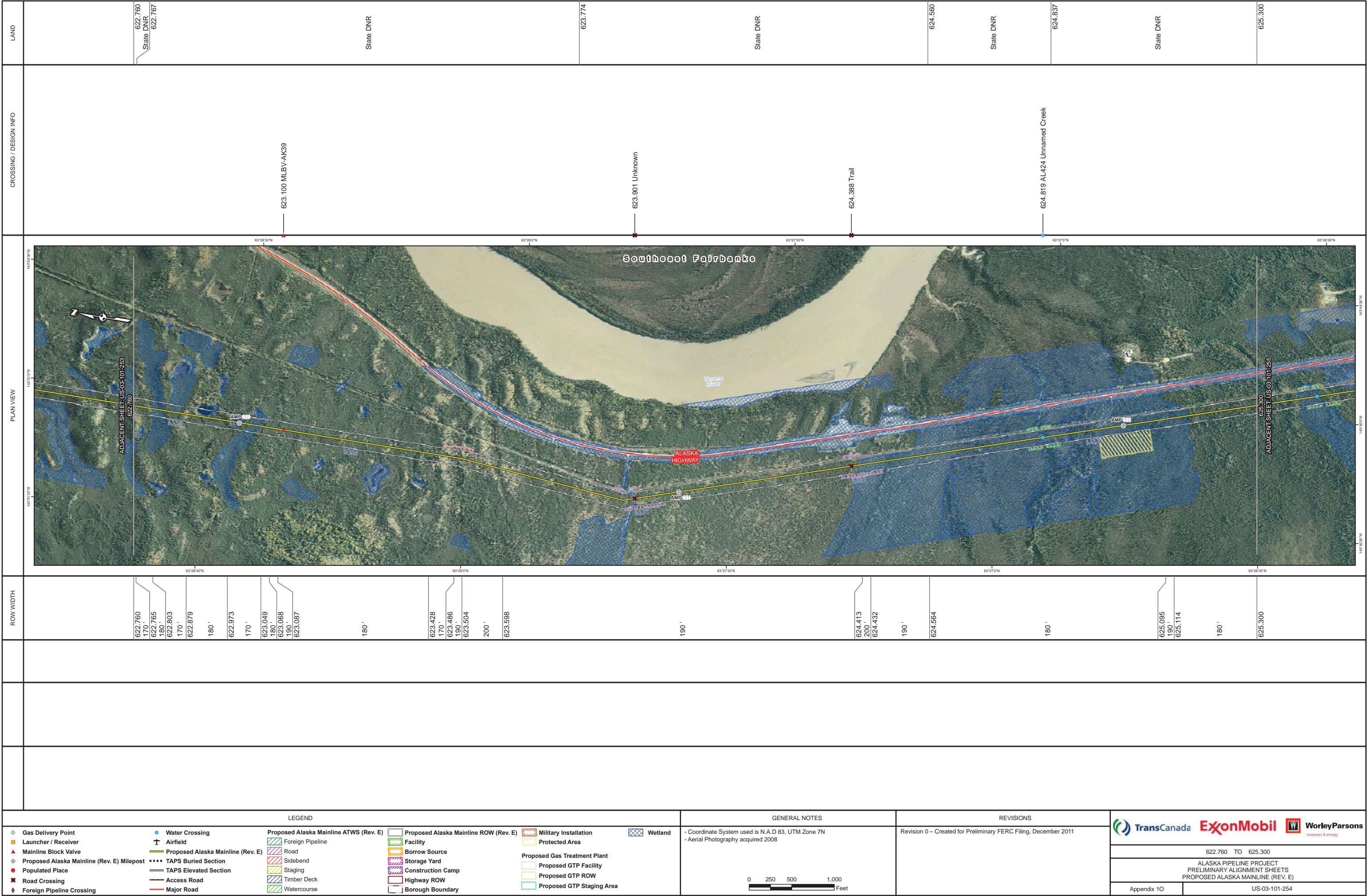






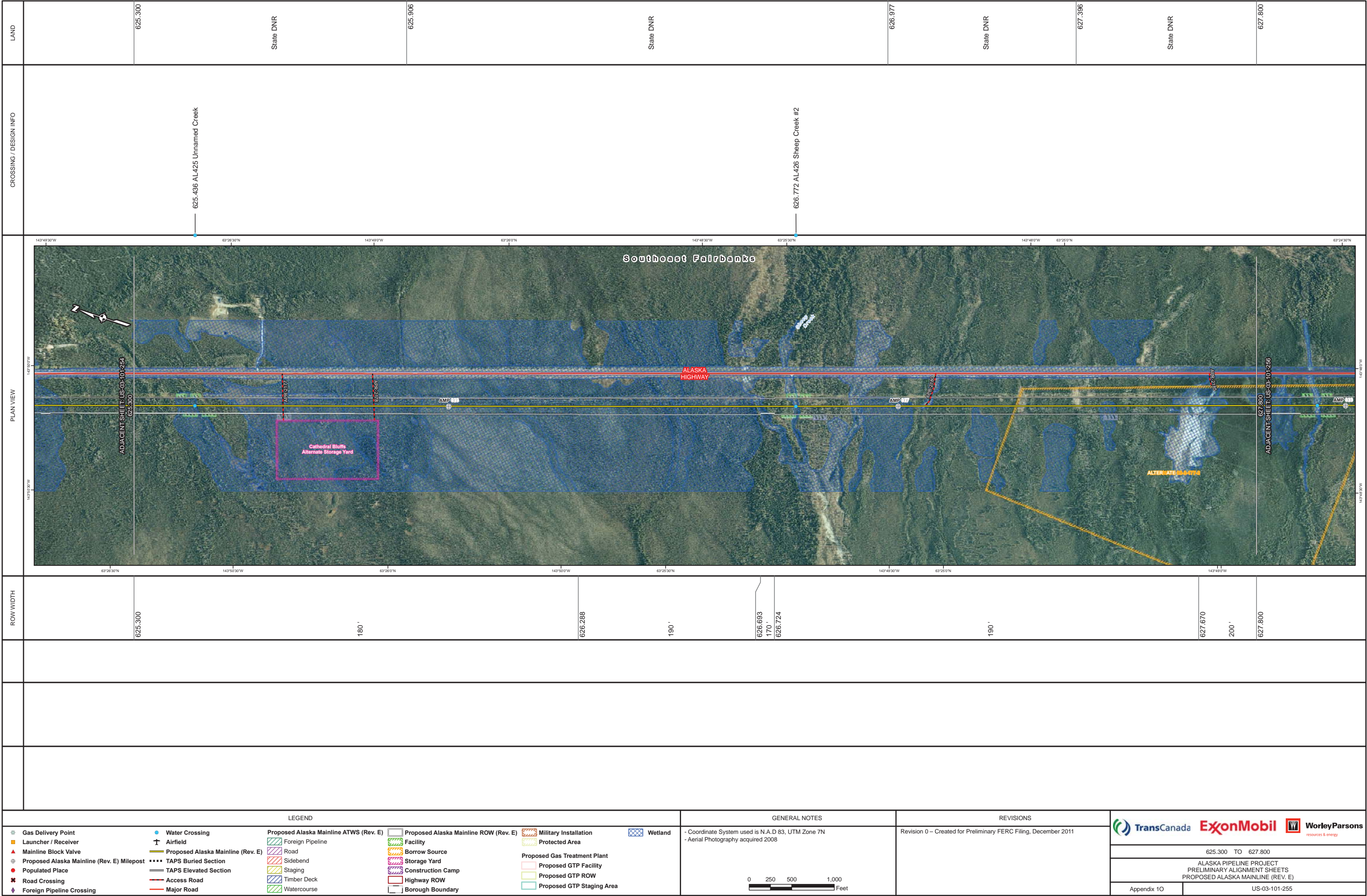




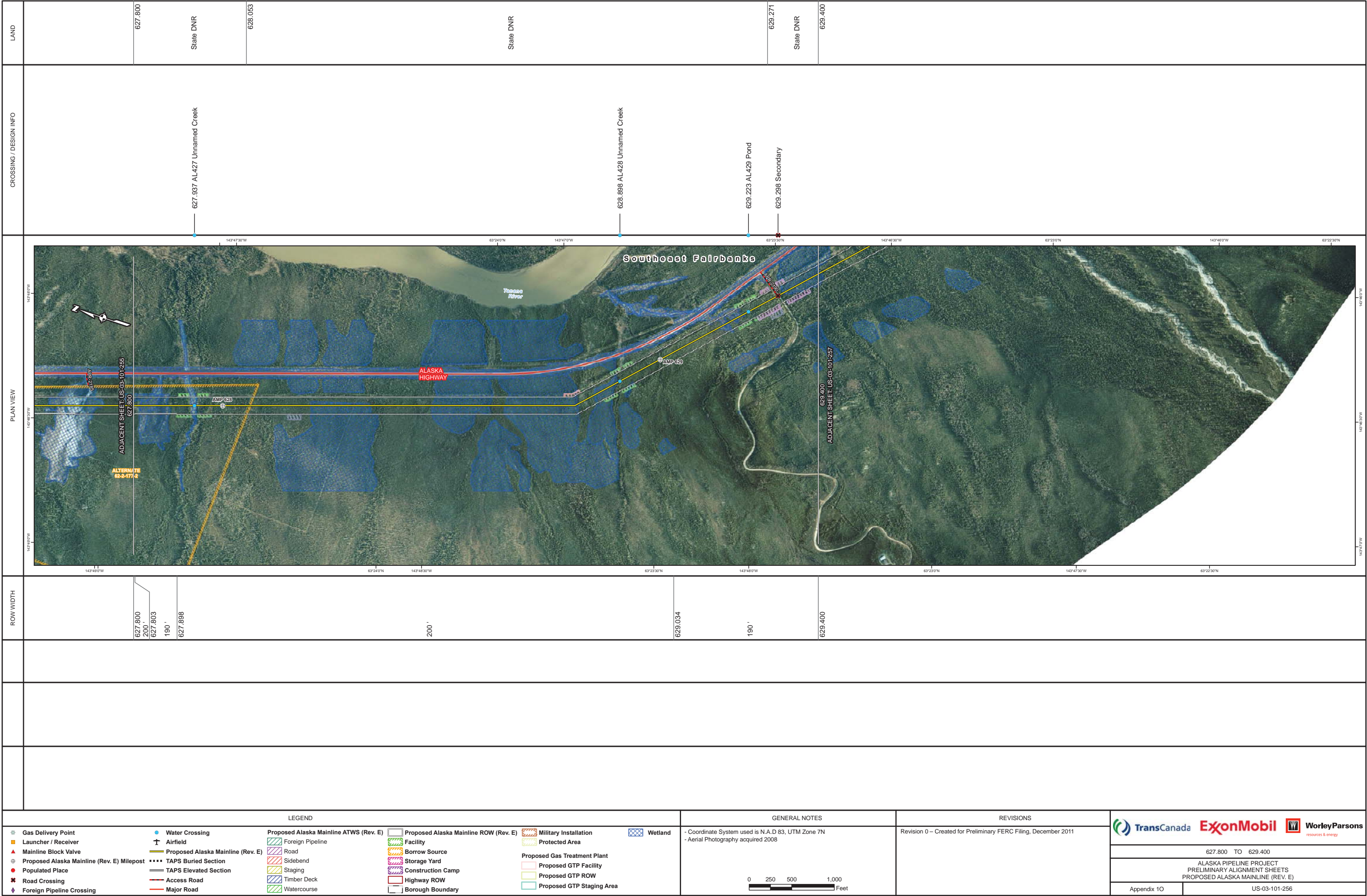


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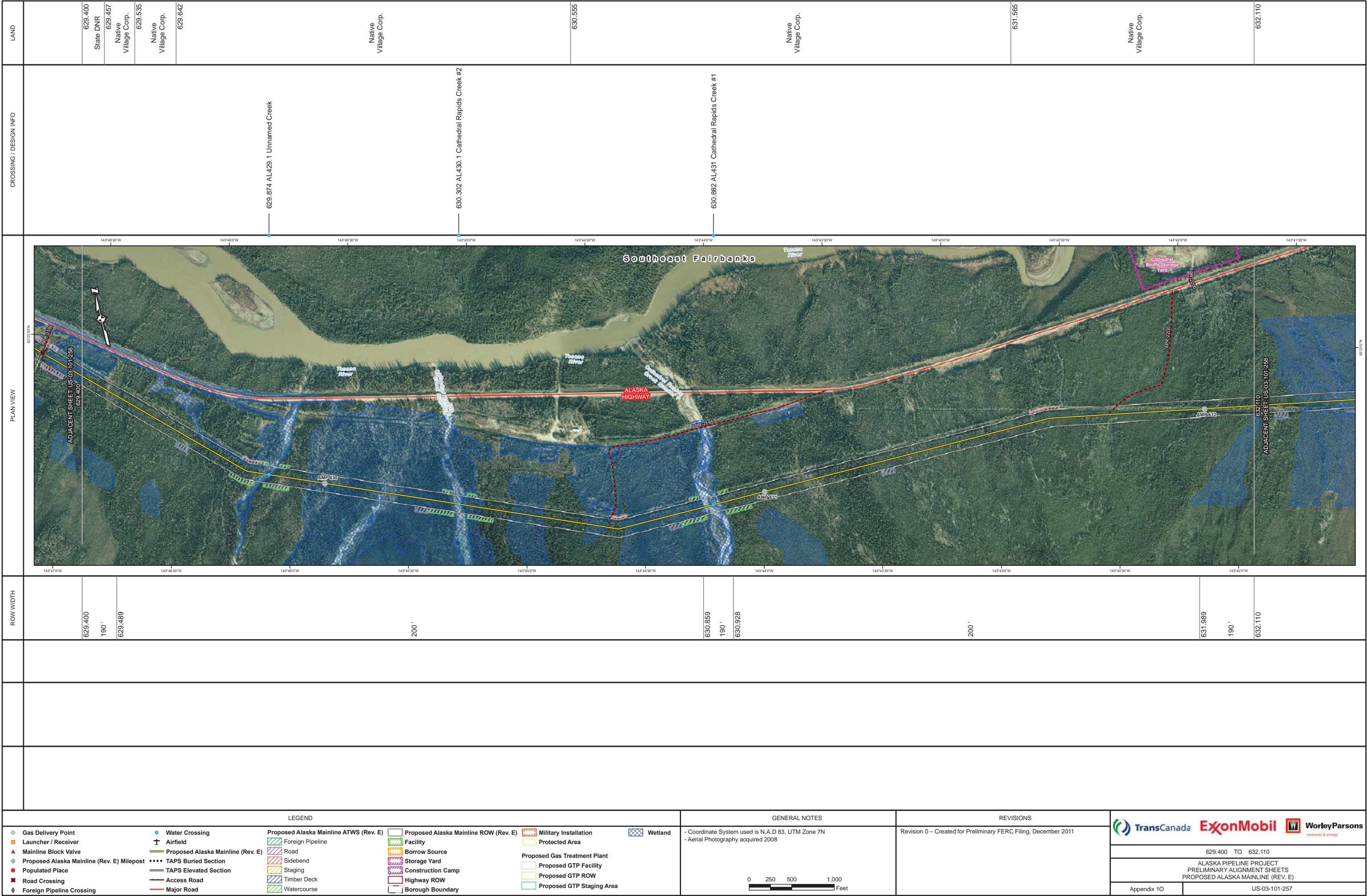






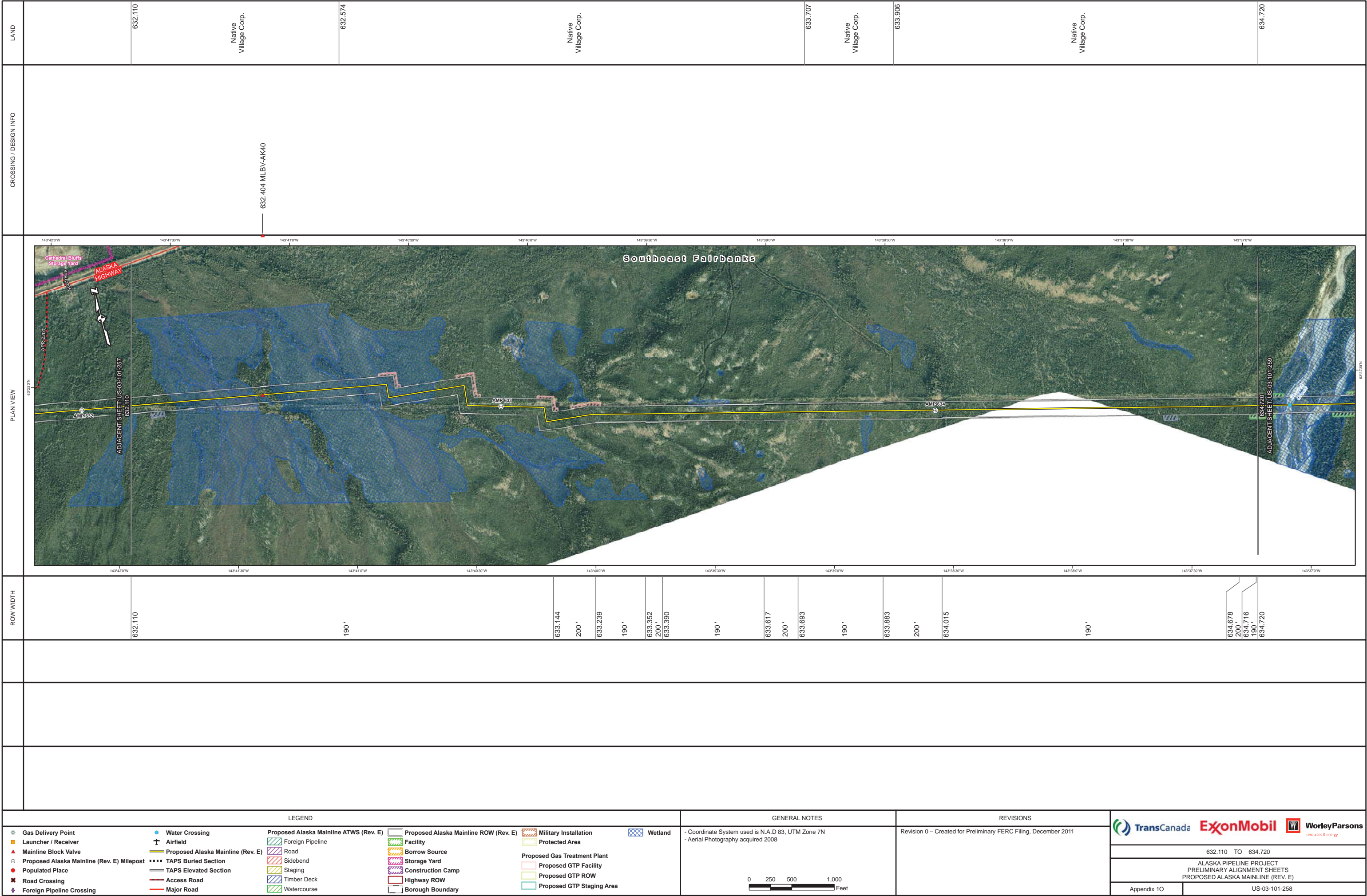






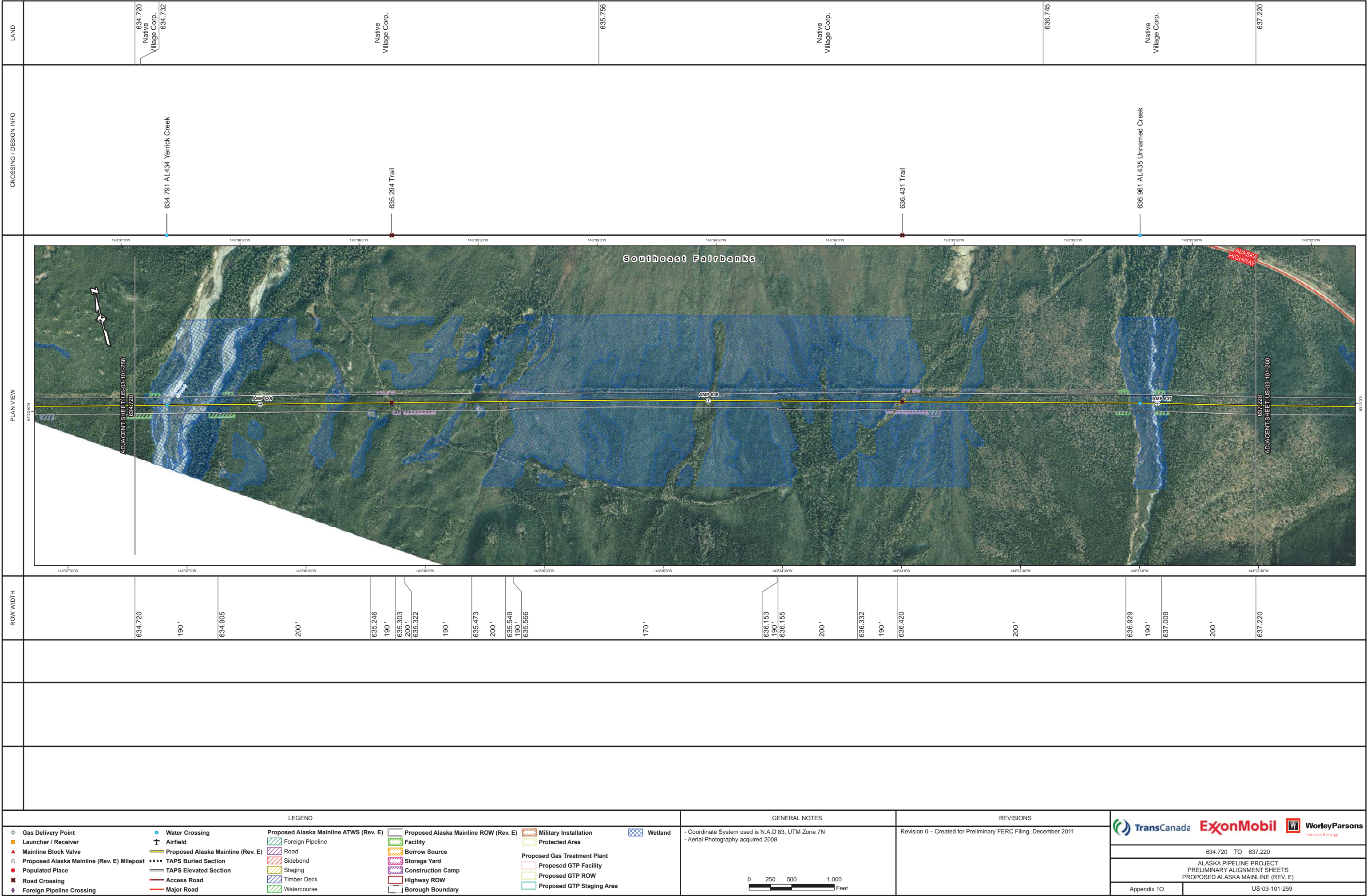
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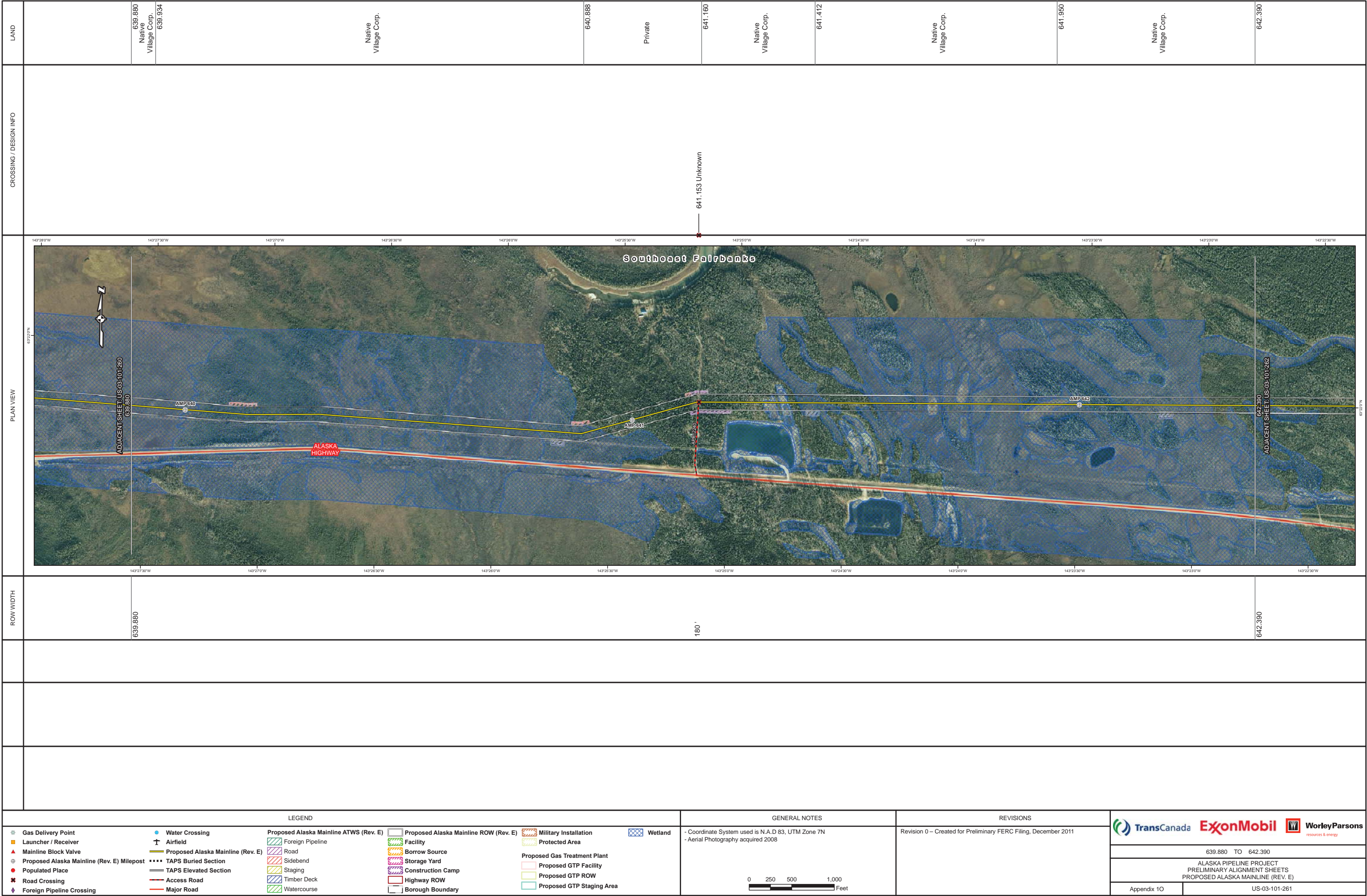
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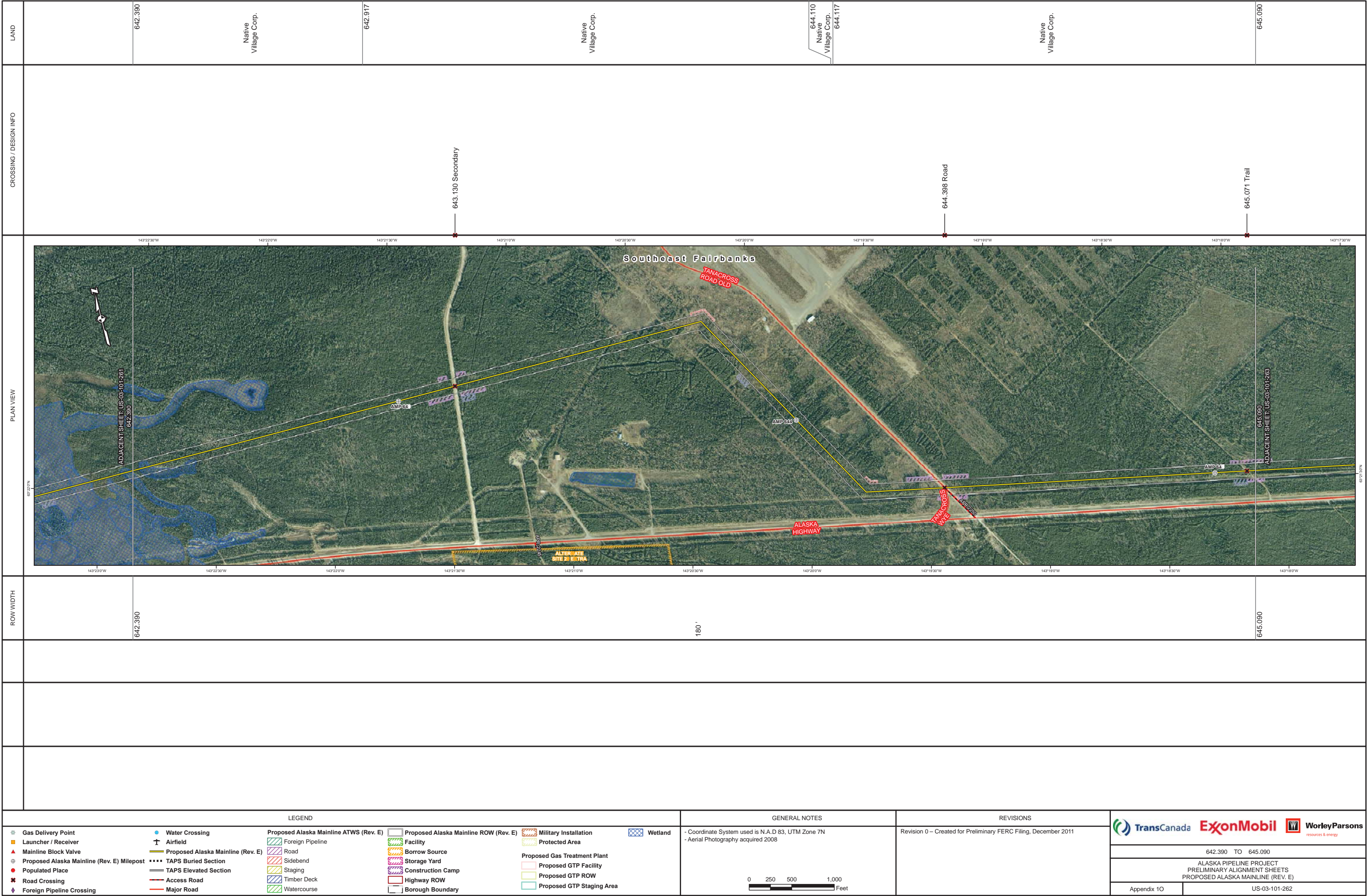
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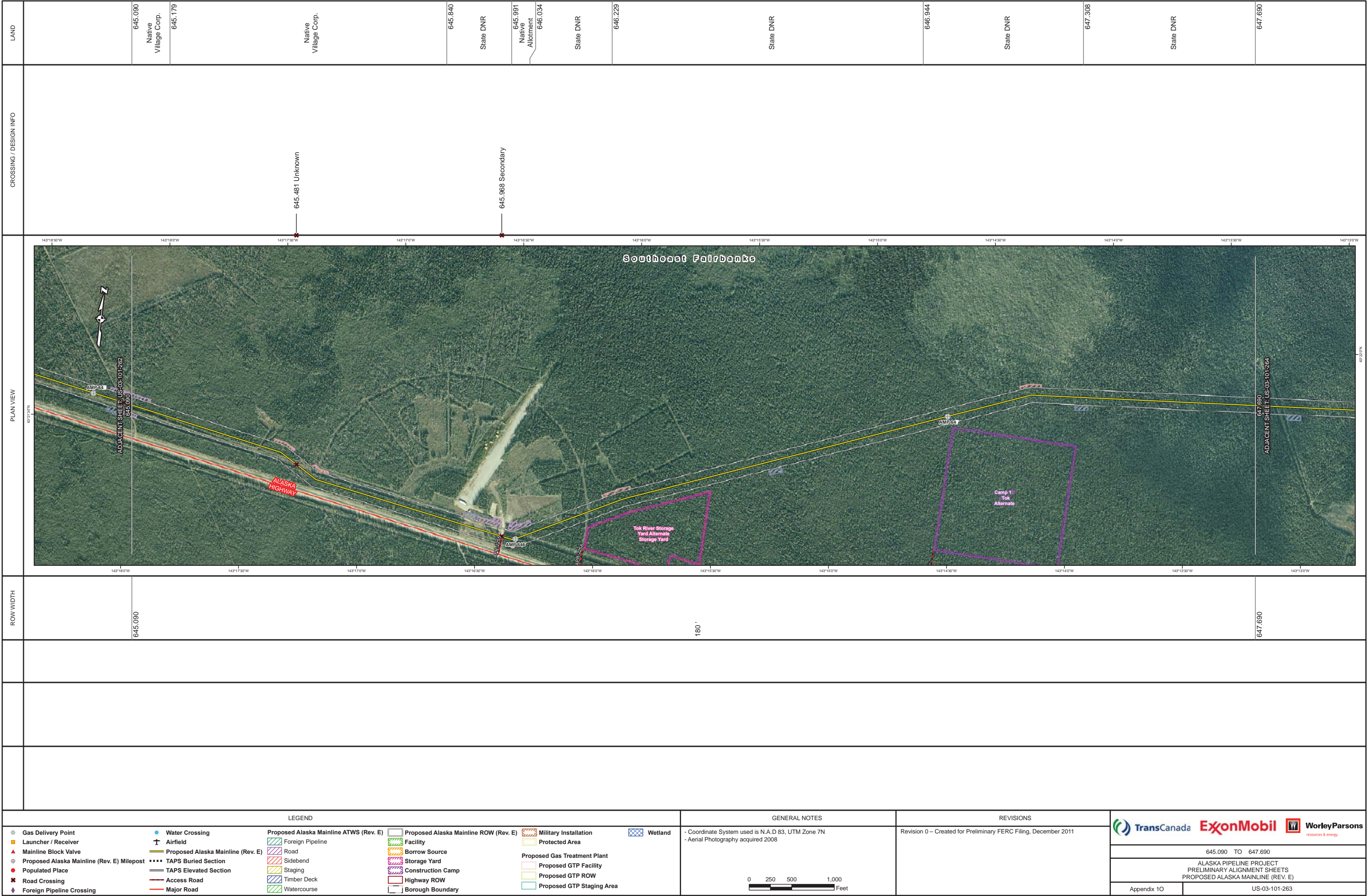
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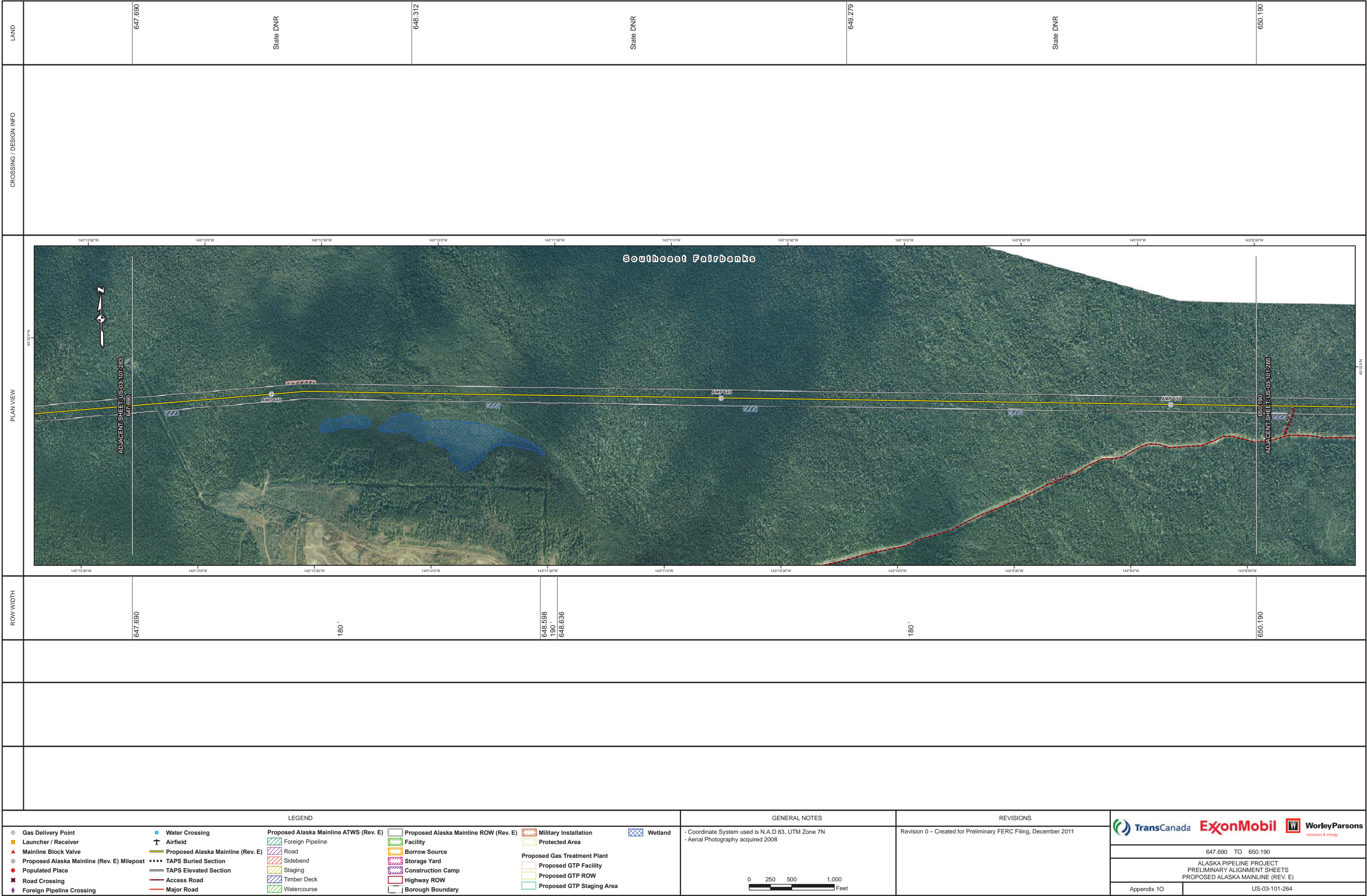
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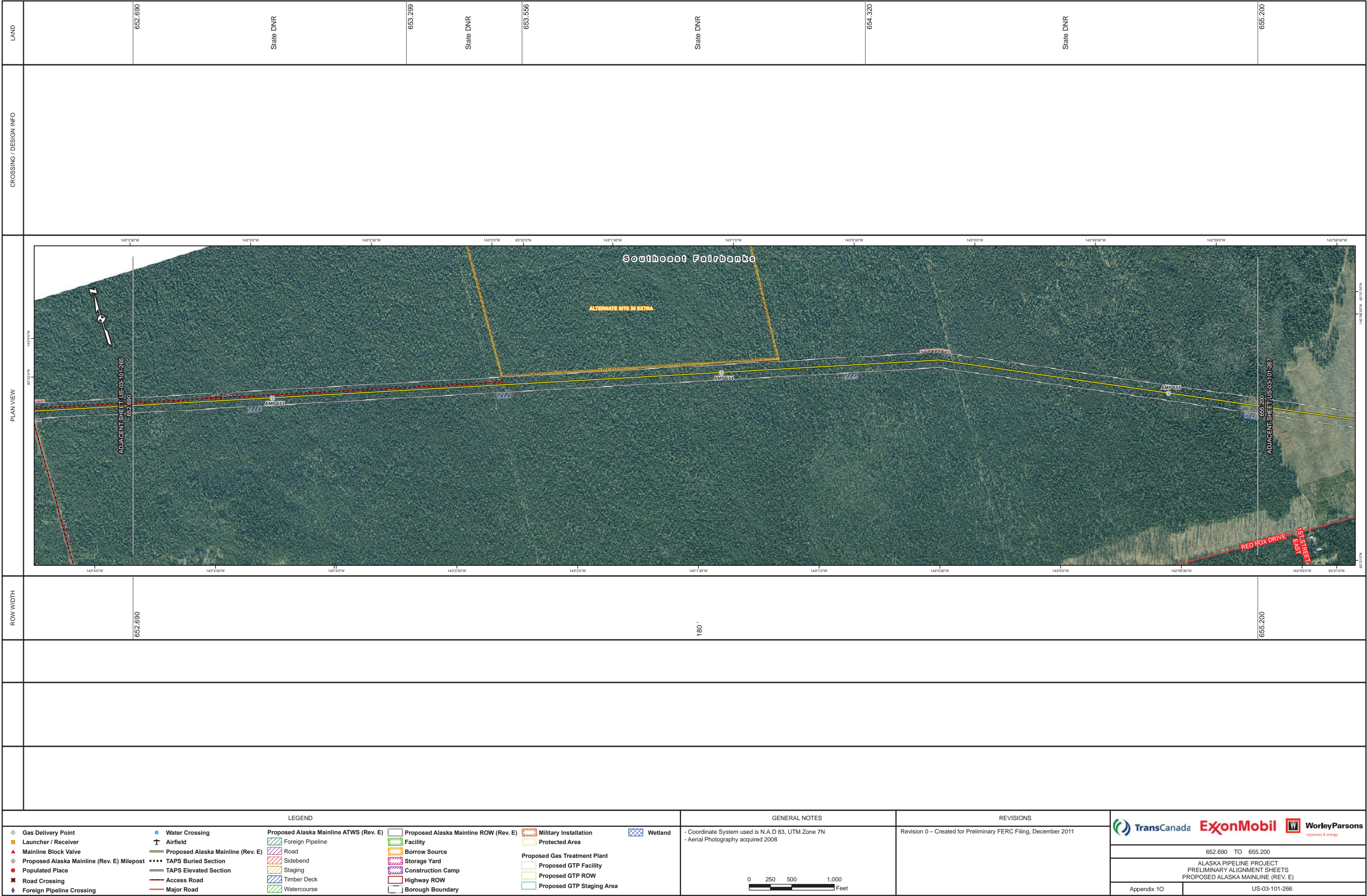


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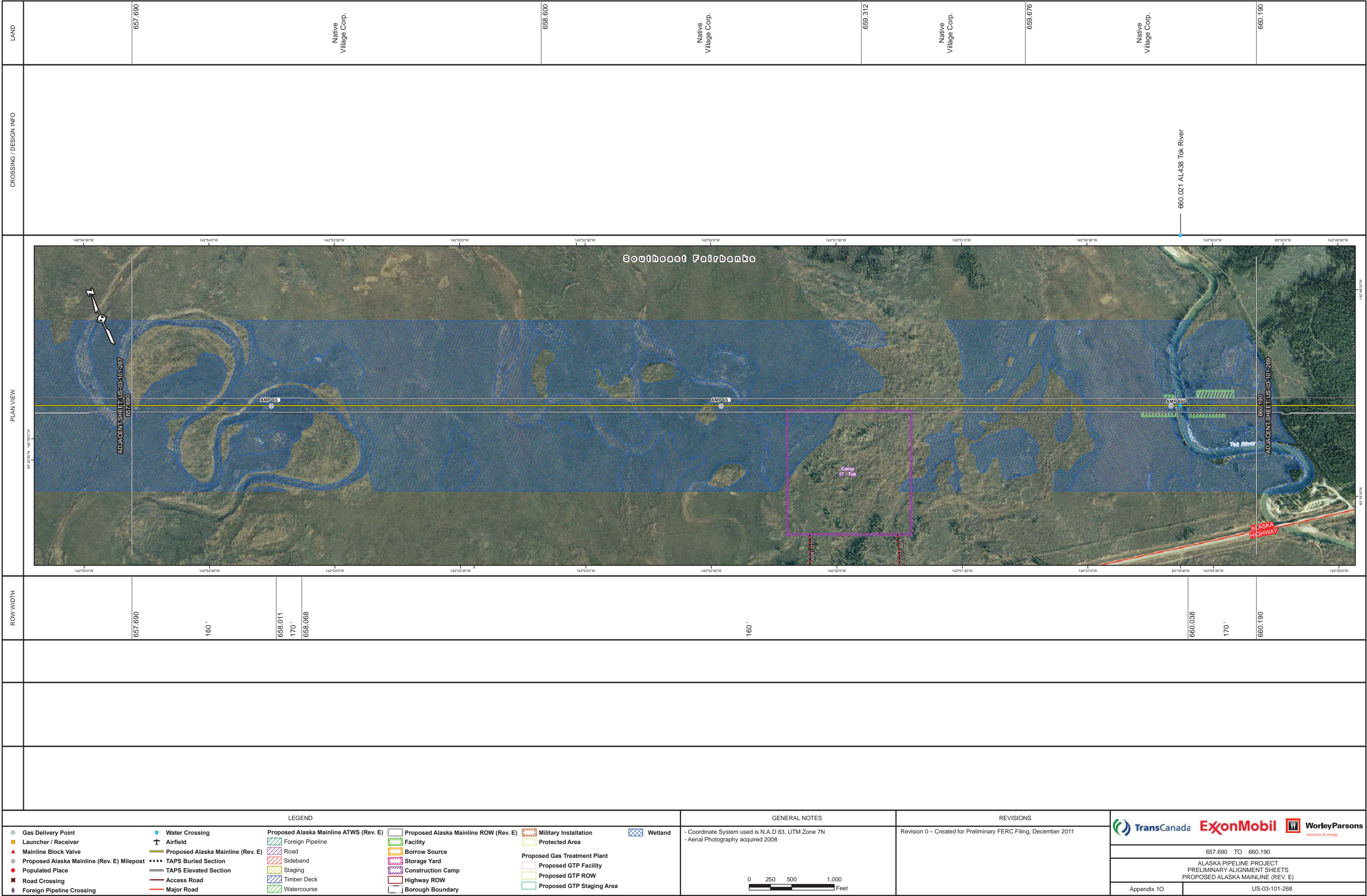
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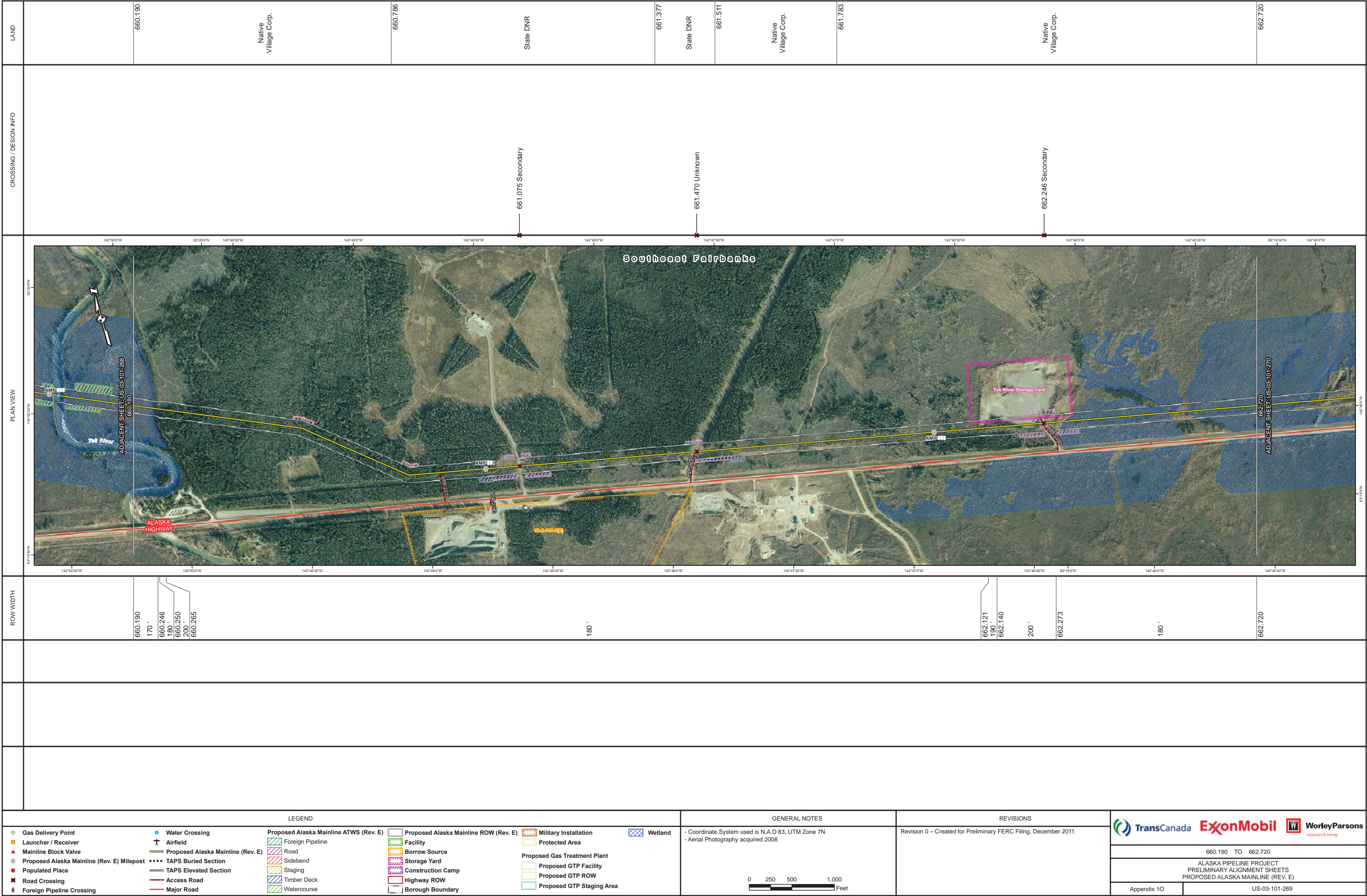
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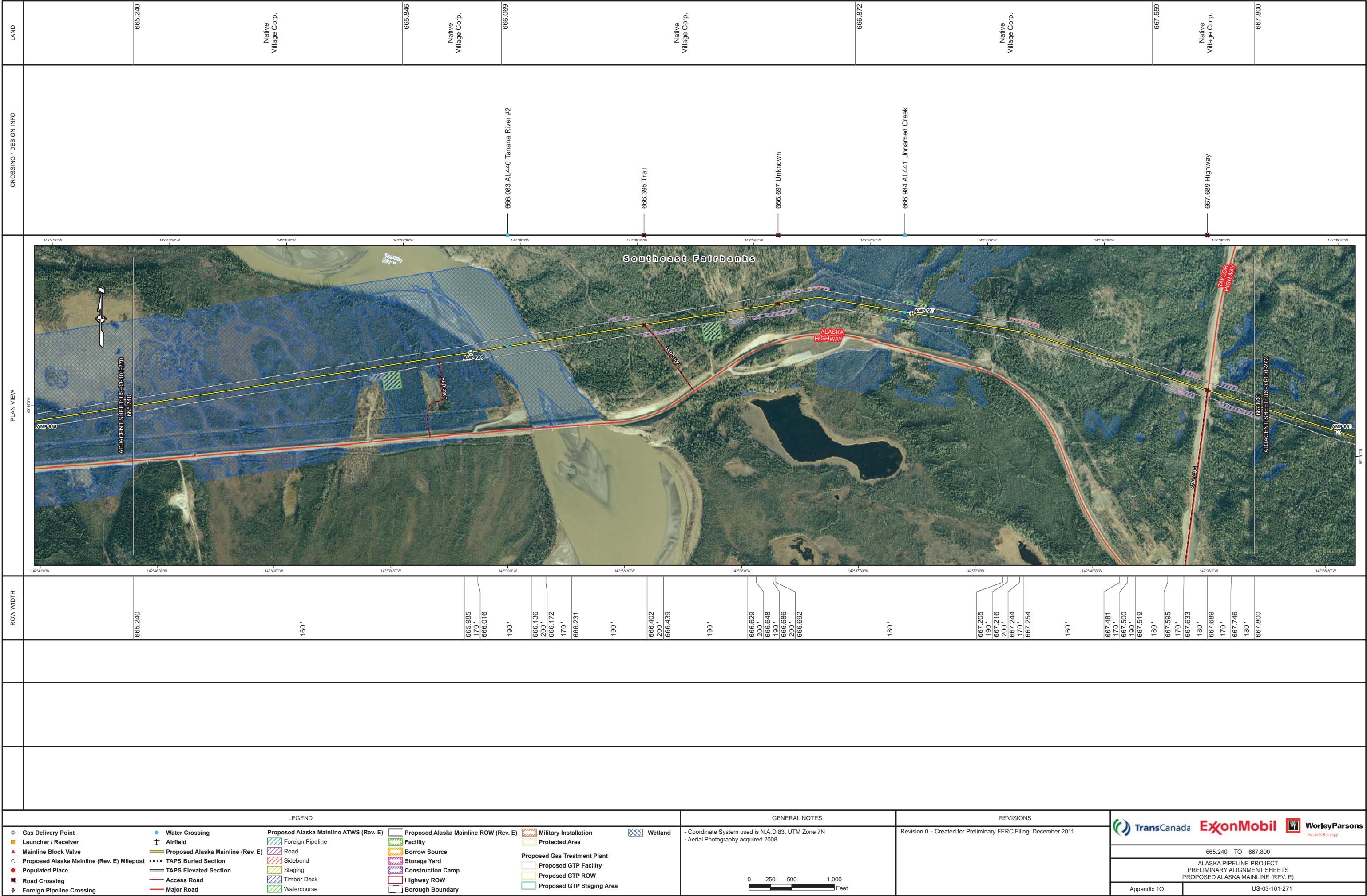
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